

REVIEW OF THE EXPLORATION PROGRAM  
PERFORMED BY ONITAP RESOURCES INC.  
IN THE GOLDBORO AREA  
GUYSBOROUGH COUNTY - NOVA SCOTIA  
DEVELOPMENT LICENSE No. 0114  
November, 1988

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**REVIEW OF THE EXPLORATION PROGRAM PERFORMED**  
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**GOLDBORO AREA - GUYSBOROUGH COUNTY**  
**NOVA SCOTIA.**

### **INTRODUCTION:**

Narex Ore Search Consultants Inc. has optioned on behalf of Onitap Resources Inc. a property of 37 claims at Goldboro, Guysborough County, Nova Scotia. The claims cover the sites of four old gold mines which have been abandoned since the early part of the century. Access to the area is excellent. Gold is known to occur in strata-bound quartz veins within the slate beds of the Goldenville Formation.

By the end of November 1988, a total of 82,710 ft. of diamond drilling had been completed on the property as follows:

1984: one 1737 ft. hole down-plunge from the old Boston-Richardson mine.

1985: five short holes in the immediate vicinity of the old West Goldbrook mine totalling 1279 ft.

1987: from January to March 5: five holes totalling 6,314 ft. down-plunge from the Boston-Richardson mine.

From May 11, 1987 until the end of February, 1988: 33 holes totalling 38,917 ft. also in the vicinity of the Boston-Richardson mine along the fold axis and between sections 525m E and 1350m E.

From March 1988 until November 1988, 40 holes totalling 34,463 ft., also drilled along the fold axis, some holes at closer spacing (25 meters), and starting with hole BR 70, drilling began near the old West Goldbrook Mine.

During the second half of 1988, an underground program was initiated with the start-up of a ramp to study the western part of the deposit at the 125 and 250 ft. levels. During the same period dewatering and rehabilitation of the old Boston-Richardson was begun. New concrete foundations were built for the new headframe. A 40-men camp, offices, workshops and cafeteria were also completed.

**PROPERTY:**

The property is located approximately one mile north 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 37 contiguous claims, approximately 40 acres in size (1320 x 1320 feet), for a total of 1,480 acres (Fig.2). The claim block extends from the head of Isaac's Harbour, eastward for 2.5 miles, and encompasses several old gold mines (Dolliver Mountain, West Goldbrook, Boston Richardson and East Goldbrook). Immediately to the east the next 16 claim block is held by Seabright Resources.

The claim numbers are :

Tract 64- Claims H, J, K, P, Q.

Tract 65- Claims A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q.

Tract 66- Claims A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q.

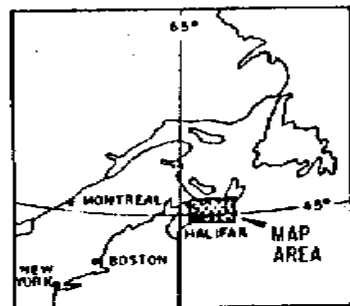
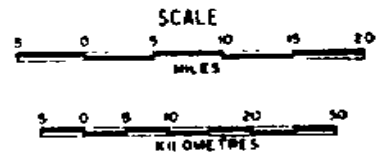
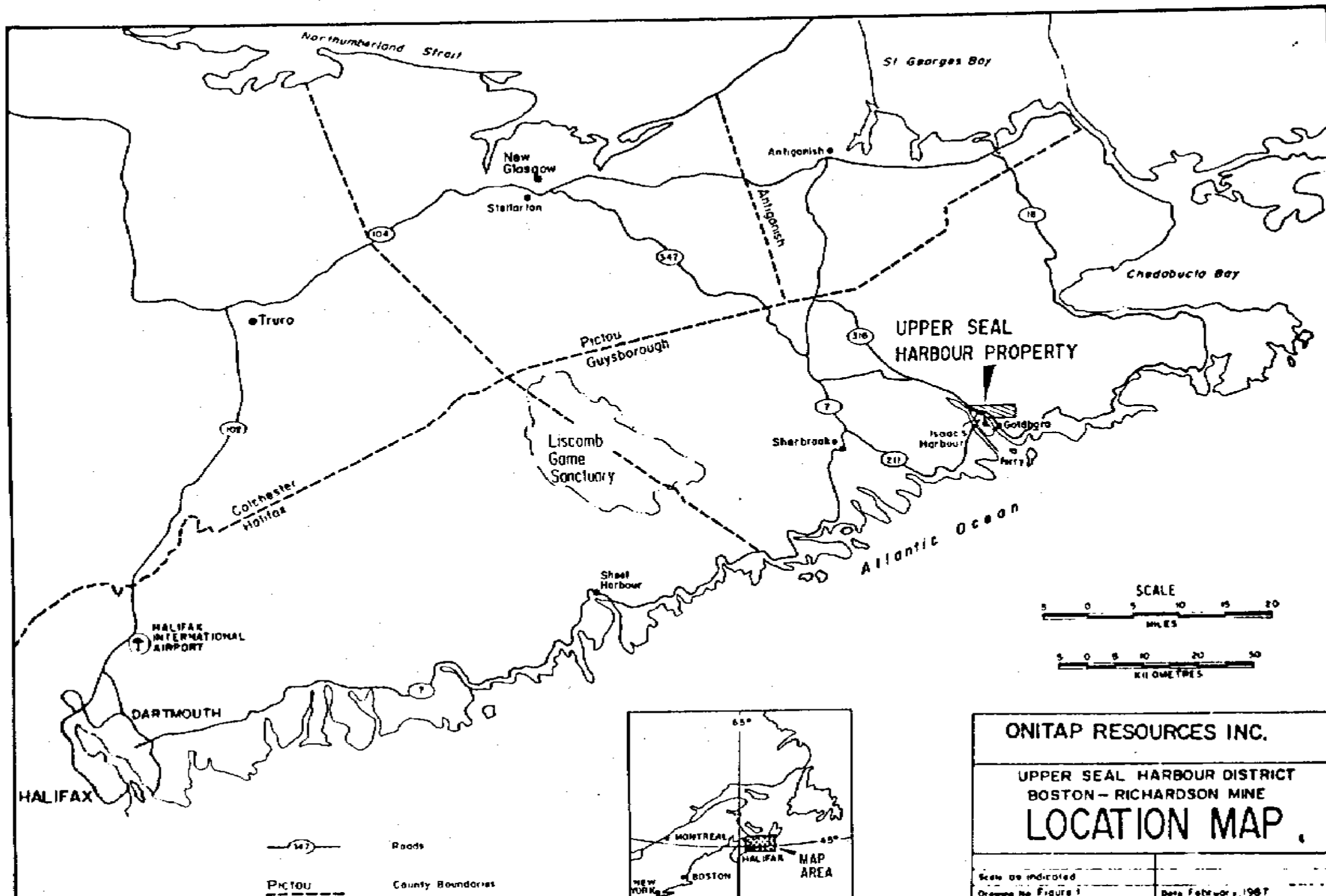
These claims are covered by development license #0114 dated November 29, 1987 and issued for one year. They were held previously under exploration license #10491.


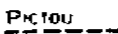
**Surface Rights:**


The surface rights are held by various private landholders and by the Nova Scotia Department of Lands and Forests. The private lands form a series of narrow strips orientated southwest to northeast. The Crown Lands cover the area around the Boston-Richardson mine and the anticlinal axis to the eastern limit of the 37 claim group.

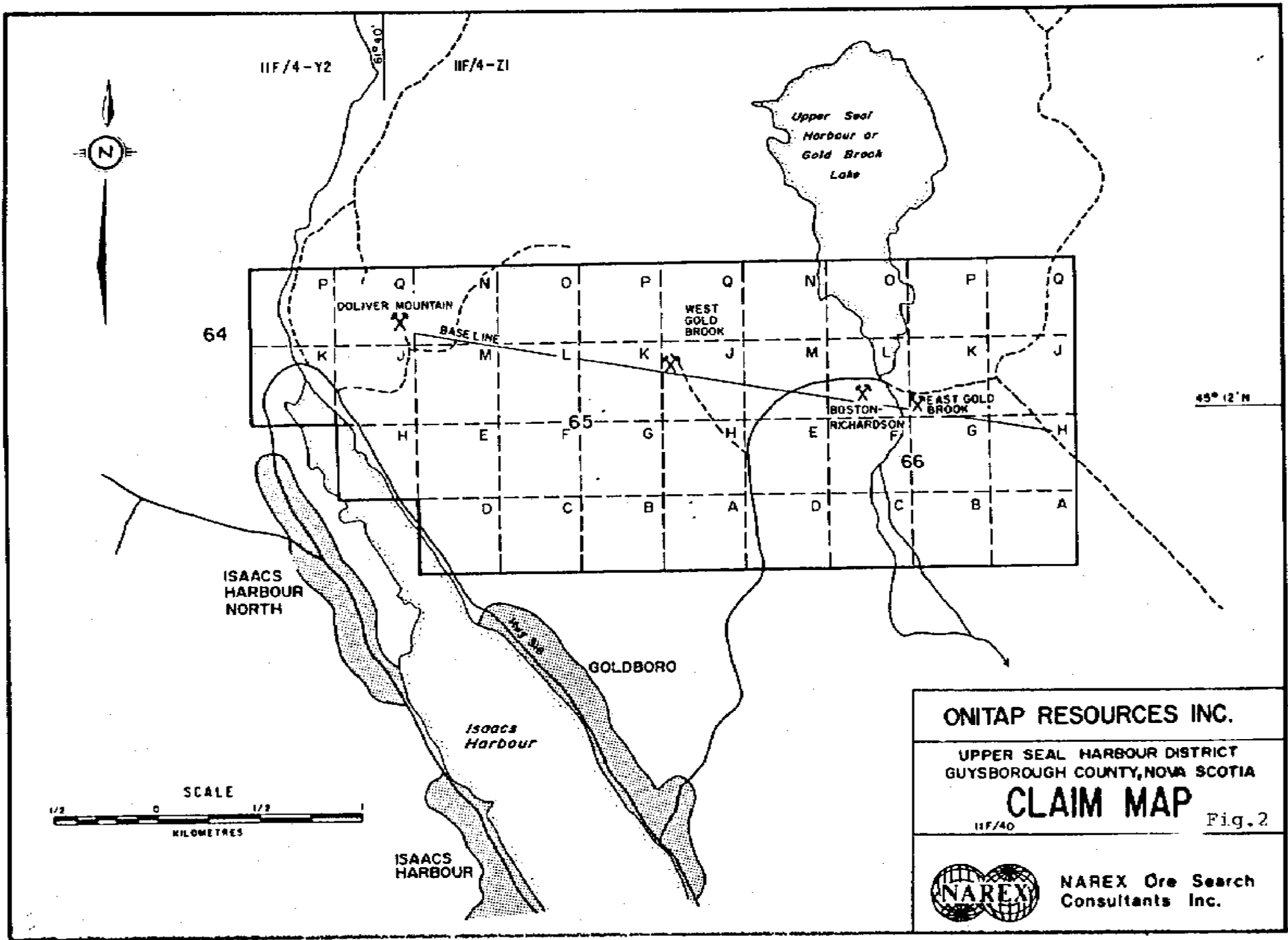
**Ownership of the Property:**

On January 25, 1988, Onitap Resources Inc. and Narex Ore Search Consultants Inc., entered into an option agreement with Exploration Orex Inc. ("Orex") whereby Orex may earn a 25% interest in 37 claims located in Guysborough County, Nova Scotia by spending \$6 million on surface and underground exploration on the property prior to June 30, 1989. Orex may earn an additional 25% in the property by spending an additional \$6 million and/or delivering a final feasibility report by December 31, 1990, or by spending an



 Roads  
 County Boundaries

<b>ONITAP RESOURCES INC.</b>	
UPPER SEAL HARBOUR DISTRICT BOSTON - RICHARDSON MINE	
<b>LOCATION MAP</b>	
Scale as indicated	Date February, 1987
Drawing No. Figure 1	
	
<b>NAREX Ore Search Consultants Inc.</b>	



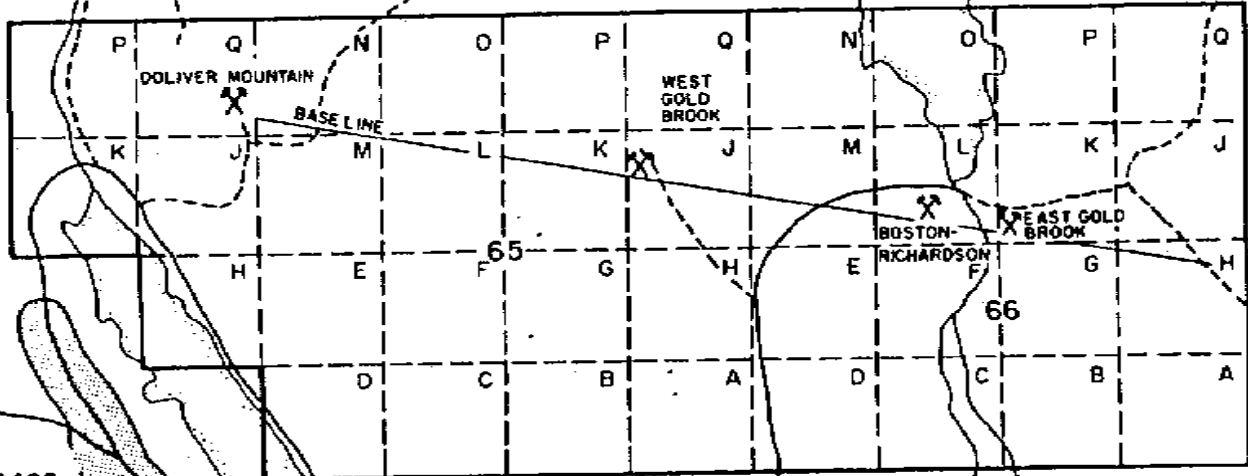
11F/4-Y2

11F/4-Z1

Upper Seal  
Harbour or  
Gold Brook  
Lake



64



DOLIVER MOUNTAIN

WEST GOLD BROOK

BASELINE

BOSTON-  
RICHARDSON

EAST GOLD  
BROOK

45° 12' N

ISAACS  
HARBOUR  
NORTH

GOLDBORO

Isaacs  
Harbour

ISAACS  
HARBOUR

**ONITAP RESOURCES INC.**

UPPER SEAL HARBOUR DISTRICT  
GUYSBOROUGH COUNTY, NOVA SCOTIA

**CLAIM MAP**

11F/40

Fig. 2



**NAREX Ore Search  
Consultants Inc.**

additional 4 million before December 31, 1990 and by delivering a final feasibility report by June 30, 1991.

#### **LOCATION AND ACCESS:**

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

#### **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. Approximately one-fifth of the property is covered with swamps. One large lake, Seal Harbour Big Lake (also known as Goldbrook Lake), covers a portion of the claims and drains southward. 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. Grade control was poor and little exploration work was done. In 1926, the property was acquired by the Metals Mining and Smelting Corporation of Canada Ltd. They attempted to recover the auriferous arsenopyrite from the tailings during 1926-1927. Since then the property has been dormant.

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 Dolliver Mountain Mine was discovered in the early 1890's and development proceeded until a shaft of 488 feet cut several orebodies. In 1905, a drillhole 500 feet below the shaft, gave unsatisfactory results and the mine was allowed to flood. It has since remained idle. Figures of 205 ounces of gold from 8,059 tons were reported for this mine.

The East Goldbrook Mine was discovered in 1906 and a shaft was sunk to 175 feet with some cross-cuts. Between 1931 and 1934, Renada Mines Ltd. dewatered and sampled the shaft. Assays from their chip sampling and six, one ton samples, gave values of 0.052 to 0.137 oz. Au per ton.

In 1909, the New England Mining Company cleaned an old 85 foot shaft and did some lateral work on what is known as the West Goldbrook Mine.

In 1929, Locarno Copper Mines Ltd. sank a shaft to 100 feet on the Nugget Lead, west of the New England shaft. A metallurgical test in 1931 recovered 1.61 oz. of Au from 1.1 tons of ore. In 1956, the Canso Mining Corporation dewatered the shaft and did some cross-cutting to locate a previously intersected ore shoot (58 feet assaying approximately 0.51 oz. Au/ton). Work was stopped because of the company's financial difficulties.

In addition to the old mine sites located on this claim block and their associated development work described above, the only other work recorded was done by Patino Mines (Quebec) Ltd. in the summer of 1981. The claims in Tracts 65 and 66 were covered by EM-16 and magnetometer surveys over a grid with lines spaced at 75 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 outlined a conductive trend associated with the anticlinal structure, which passes

through the old mine sites.

In 1984, a drill hole (1984-01) of 1737 feet was drilled on claim K- tract 66, down-dip from the Boston-Richardson mine and in 1985 a five hole program of 1279 ft. was drilled near the site of the West Goldbrook mine.

From January to March 5, 1987, a program funded and managed by Petromet Resources Limited and Greenstrike Gold Corporation was executed. Five holes were drilled for a total of 6,314 ft.

Between May 1987 and February 1988, Onitap drilled 33 holes, (holes 87-06 to 87-38 inclusive), for a total of 38,917 ft.

Finally between March 1988 and November 1988, another 40 drillholes were completed ( Holes BR 39 to BR 78 inclusive) for an additional footage of 34,463 ft.

In 1987, an IP survey was conducted over the central area of the claims. Helicopter borne magnetic EM and EM VLF surveys were conducted by Aerodat Limited of Mississauga.

During the second half of 1988, an underground program was initiated with the start-up of a ramp to study the western upper part of the deposit at the 125 and 250 ft. levels. During the same period dewatering and rehabilitation of the old Boston-Richardson shaft was begun. New concrete foundations were built for the new headframe. A 40-men camp, offices, workshops and cafeteria were also completed. Dynatec was selected as the main contractor for the underground exploration program.

In February 1988, three samples of drill core rejects were sent to Lakefield Research for preliminary metallurgical testings. The grade of the samples were respectively 2.15 g Au/tonne (0.07 oz. Au/t), 3.92 g Au/tonne (0.13 oz. Au/t) and 15.7 g Au/tonne (0.50 oz. Au/t). Free gold represented 33-42% of the gold in ore. Gold associated with the sulphides was 32-48%.

Excellent gold extractions were obtained, the overall recovery varying from 88.5% for the low grade to 96.4% for the high grade.

**GENERAL GEOLOGY:**

The property is underlain by rocks of the Cambro-Ordovician Meguma Group (Fig.3) subdivided into the Goldenville

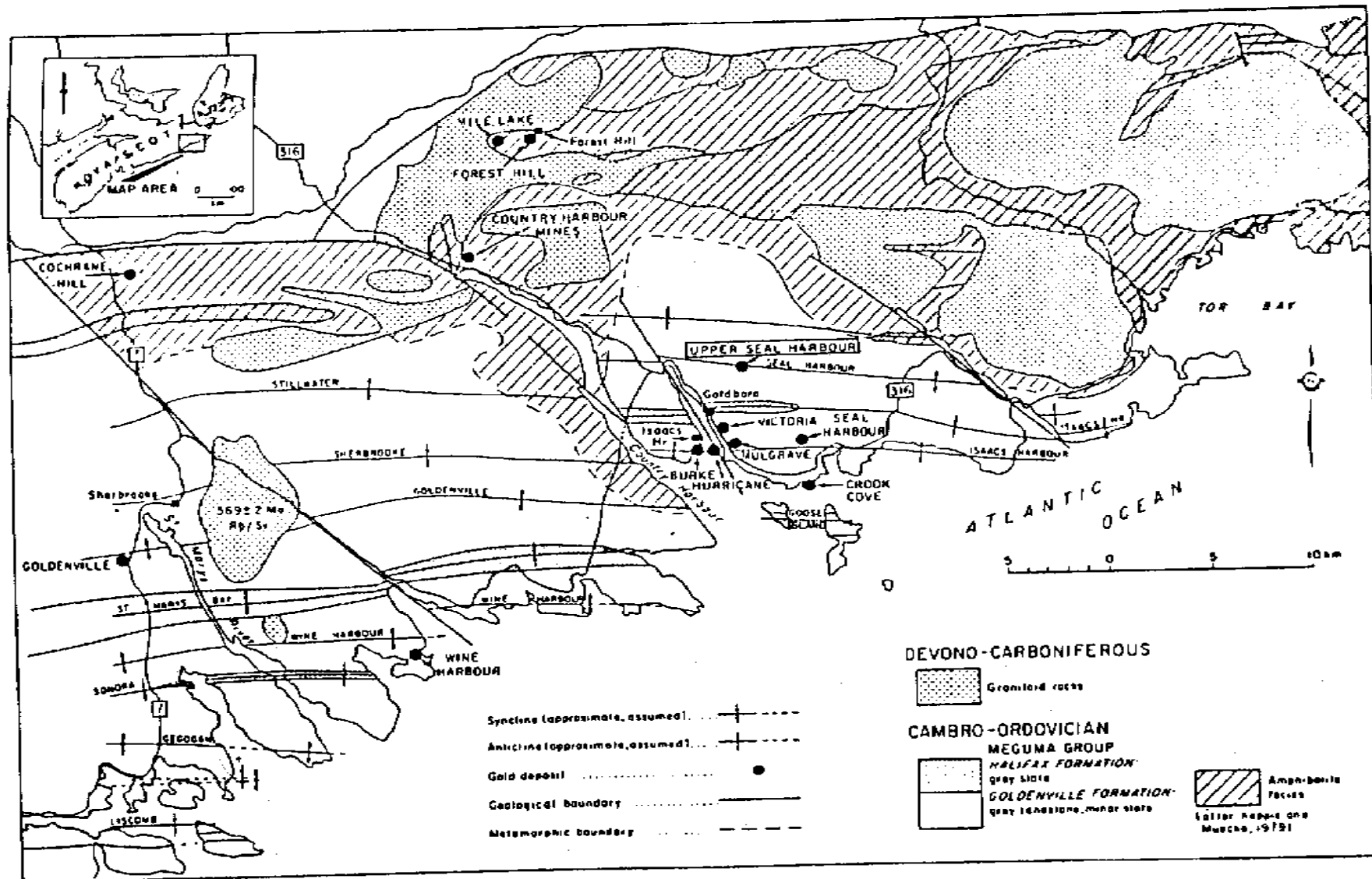


Fig. 3  
 Geology of the Area Around Upper Seal Harbour  
 (after Haynes, 1983)

Formation overlain by the Halifax Formation.

The Goldenville Formation is essentially a series 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, and reaches at least 8 km thickness 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 the property. 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 a producer. It produced 50,000 ounces of gold from 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.

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).

#### **DIAMOND DRILLING PROGRAM:**

The lithologies encountered in the drill holes consist mainly of (1) arenites (2) greywackes and (3) mudstones.

(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) Mudstones : are aphanatic and deep-black. These rocks are generally fissile and exhibit a well developed "slaty cleavage" . The slates, or shales, generally contain 50% or more biotite with common quartz-carbonate porphyroblasts. In some of the holes, some graphitic slates are also observed. Sulphide mineralization consists mainly of arsenopyrite and lesser pyrite and pyrrhotite and occasional chalcopyrite are found.

#### **OBJECTIVES**

The initial objective in 1984 was to test, by diamond drilling, the down plunge extension of the Boston-Richardson Mine in the vicinity of the hole drilled in 1984.

Geophysical surveys were to be done in order to locate

exploration targets with a similar signature to the known deposits.

In 1988, the objectives were modified because of the discovery of the NEW BELT located some 250 ft. below the Boston-Richardson Belt at its apex, and work was concentrated into the search and development of additional belts with the goal of developing probable reserves containing at least 300,000 ounces of gold.

During the second half of 1988, underground exploration work was initiated with the start-up of a ramp to study the western upper part of the deposit at the 125 and 250 ft. levels. A cross-cut intersecting first the mineralized south leg of the Boston-Richardson Belt and secondly the New Belt, with numerous sightings of visible gold, has been completed.

#### **RESULTS**

After the completion of the program funded and managed by Petromet Resources Limited and Greenstrike Gold Corporation, a different interpretation of the drillhole results, combined with the information from the old underground workings, suggested the presence of a new mineralized belt containing visible gold and sulphide mineralization below the Boston Richardson Belt.

Drilling by Onitap since May 1987, specially after taking the decision to drill through the old workings, confirmed the presence of several new belts. The first to be discovered below the Boston-Richardson belt and called the New Belt, was intersected in most of the holes and traced to near surface where it lies below an area covered by a small lake and swamps (this explains why it was not discovered at the beginning of the century).

A succession of additional belts : the Third, the Fourth, the Fifth were then discovered at different intervals below the NEW BELT and drilling was done to evaluate their potential and where possible make a probable tonnage calculation.

The first results of the underground exploration done from the ramp in the upper western part of the deposit are very encouraging. A cross-cut located near the drill section 500 E after intersecting the mineralized south leg of the Boston-Richardson belt has entered in the New Belt where numerous sightings of visible gold were made.

The list of the drillholes, the description of Assay Methods and the individual geologic logs and assay results for each of the Onitap holes are found in Appendix 1, while plans and sections are in Appendix 2.

Plans of the underground work are also found in Appendix 2.

### DISCUSSION

Drilling results from the Onitap project to test the extensions of two former producers in Nova Scotia have confirmed the existence of at least four additional mineralized horizons beneath the old Boston-Richardson mine workings, with impressive gold values and widths in each zone. To date a total footage of 82,710 ft. has been drilled on the property. In 1988, 40 holes have been completed totalling 34,463 ft.. All intersect the anticlinal fold structures from the surface exposure at the Boston Richardson Mine to the west toward the old West Goldbrook mine.

The production of 50,000 ounces from the Boston Richardson, prior to 1911, was recovered from a stratabound "belt of quartz and slate lying between well-defined walls of quartzite" (Memoir 385) and mining extended from workings near the apex, or crest of the fold, to both legs of the fold several hundred feet away from the apex.

The gold bearing structures are described as stratabound belts of the saddle reef type, usually in units of quartz-carbonates, shales, slates and mudstones of Cambro Ordovician age.

The suggestion by Keppie (1976) that the thickness of the saddle reef veins should increase with the fold tightness, may indeed be the case on Onitap's property where the New and Third belts are considerably thicker than the Boston-Richardson, even though all of them have a similar lateral extension.

Exploration work by Onitap in 1984-1985 and drilling in early 1987 suggested the presence at depth of additional mineralized zones or "belts" below the Boston Richardson Mine. Subsequent drilling of 39,000 feet of diamond drilling confirmed and delineated these horizons with the objective to outlining a mineral deposit. In 1988 forty additional holes were drilled to determine the continuity of the Belts and their mineralization and to establish probable reserves. Drilling is done on a grid spacing of 75 m (246 ft.) over a length of 5,000 feet along the anticlinal axis. In the area

of special interest holes have been spaced at 25 m. The 1987 program resulted in the discovery of gold mineralization in a zone named the "New Belt", lying approximately 250 feet below the apex of the fold, the site of previous operations. The "Third Belt" was intersected at an additional depth of 150 feet, and several deeper holes have indicated the presence of two additional zones, the "Fourth" and "Fifth" belts. Above the Boston Richardson workings, in an upper part of the folded sequence, a stacked series of smaller belts within the East Goldbrook belt have also been intersected, carrying important gold values.

The 1988 program was geared toward the development of geologic reserves and to explore for further belts westward, in the direction of the old West Goldbrook Mine, along the axis of the anticlinal fold.

Most of the drill cores contain visible gold within the belts. The assay results have been most encouraging and provide confidence that the combined belts have a potential of at least a 300,000 ounce gold deposit.

The table below illustrates the more significant intersections obtained in these holes:

#DDH (coord. in m)	From (ft.)	to (ft.)	Footage	Au oz./t
BR 42 (825E-125N) (dip:81S)	847.5	859.5	12.0 ft. @	0.29
	892.0	896.5	4.5 ft. @	0.16
BR 43 (700E-50N) (vert.)	420.0	431.0	11.0 ft. @	0.14
	902.0	923.0	21.0 ft. @	0.63 (unc.)
			or 21.0 ft. @	0.28 (cut)
BR 46 (725E-25N) (vert.)	463.5	465.5	2.0 ft. @	0.45
	488.9	492.5	3.6 ft. @	0.10
BR 47 (725E-75N) (vert.)	505.5	517.0	11.5 ft. @	0.40
	596.0	603.0	7.0 ft. @	0.12



BR 48 (450E-25.4N) (vert.)	143.5	175.0	31.5 ft. @	0.32 (unc.)
			or 31.5 ft. @	0.23 (cut)
	234.3	235.8	1.5 ft. @	2.10 (unc.)
	275.0	277.0	2.0 ft. @	2.51 (unc.)
BR 59 (375E-11N) (vert.)	293.0	307.0	14.0 ft. @	0.12
	522.0	547.0	25.0 ft. @	0.32 (cut)
			or 25.0 ft. @	1.42 (unc)
*includ. from	527.0	533.0	6.0 ft. @	5.57
BR 54 (400E-19N) (vert.)	140.0	144.0	4.0 ft. @	0.11
	445.0	450.5	5.5 ft. @	0.58
	487.2	499.0	11.8 ft. @	0.09
BR 61 (400E-44N) (vert.)	146.0	165.0	19.0 ft. @	0.16
BR 52 (525E-15N) (vert.)	261.0	264.5	3.5 ft. @	0.28
	444.0	445.0	1.5 ft. @	0.64
	634.0	639.5	5.5 ft. @	0.20
	674.0	684.0	10.0 ft. @	0.36
BR 56 (625E-33N) (vert.)	250.5	260.5	10.0 ft. @	0.13
	278.5	308.0	29.5 ft. @	0.22(cut)
			or 29.5 ft. @	0.25(unc)
BR 58 (625E-50N) (vert.)	585.0	595.0	10.0 ft. @	0.11
	691.2	701.0	9.8 ft. @	0.55(cut)
			or 9.8 ft. @	1.76(unc)
*includ. from	691.2	695.5	5.3 ft. @	3.25
	711.0	733.5	22.5 ft. @	0.38(cut)
			or 22.5 ft. @	1.34(unc)
*includ. from	720.0	724.5	4.5 ft. @	5.78
BR64 (551E-17N) (vert)	186.7	197.0	10.3 ft. @	0.56
	275.0	279.0	4.0 ft. @	0.17
	309.2	317.0	7.8 ft. @	0.11
	384.0	392.0	8.0 ft. @	0.12
	447.0	458.0	11.0 ft. @	0.35
	574.3	574.9	.6 ft. @	1.0 (cut)
			or .6 ft. @	3.12(unc)
	692.0	698.5	6.5 ft. @	1.0 (cut)
			or 6.5 ft. @	2.28(unc)

	738.5	747.0	8.5 ft. @	0.22
BR65	145.0	156.5	11.5 ft. @	0.29
(542E-37N)	168.0	174.0	6.0 ft. @	0.18
(vert)	200.5	205.5	5.0 ft. @	0.12
	229.5	242.5	13.0 ft. @	0.32
	632.0	636.8	4.8 ft. @	0.38
	641.0	645.0	4.0 ft. @	0.11
BR67	390.5	398.0	7.5 ft. @	0.91(cut)
(505E-19N)			or 7.5 ft. @	1.93(unc)
(vert)	575.5	578.5	3.0 ft. @	1.00(cut)
			or 3.0 ft. @	1.04(unc)
BR69	416.0	423.0	7.0 ft. @	0.30
(487E-0.0)	584.3	590.0	5.7 ft. @	0.11
(vert)				
BR78	165.0	177.0	12.0 ft. @	0.12
(54E-101N)	342.3	350.8	8.5 ft. @	0.11
(vert)	538.1	548.0	9.9 ft. @	0.09

#### ORE RESERVE CALCULATION:

With the assay results obtained from the drill core, an ore reserve calculation was made.

These calculations fall in the "Indicated Ore" or "Probable Ore" classification as per the definition published by the Association of Professional Engineers of the Province of Ontario which is as follows:

"Probable Ore" or "Indicated Ore" is the material for which tonnage and grade are computed partly from specific measurements, samples, or production data, and partly from projection for a reasonable distance on geologic evidence. The sites available for inspection, measurement, and sampling are too widely or otherwise inappropriately spaced to outline material completely or to establish its grade throughout.

The following results are the tonnage and grade of "Indicated Ore" calculated for each individual belt:

ore tons	grade	oz. Au content
NEW BELT		
419,267	0.192	80,635
THIRD BELT		
406,852	0.211	85,852
FOURTH BELT		
372,809	0.21	78,290
FIFTH BELT		
382,934	0.20	76,587
STACKED EAST GOLDBROOK BELTS		
77,266	0.224	17,286
-----		
1,659,128	0.2041	338,650
=====		=====

#### UNDERGROUND EXPLORATION PROGRAM

During the second half of 1988 an Underground Exploration Program was started with the opening of a ramp and the start of the rehabilitation of the old Boston-Richardson shaft.

#### **Ramp (decline) Development:**

The ramp is driven at a minus 15% angle. Already access to the 125 ft. level has been completed with a crosscut driven through the apex of the New Belt. In this crosscut numerous gold sightings were made. The ramp is now at the 250 ft. level.

The 125 ft. level plan of the western portion of the deposit, at the scale of 1"= 50 ft., on which the outline of the Boston-Richardson Belt and of the New Belt have been made is

found in Appendix 3. The outline of the geology encountered in the crosscut has been placed on a film overlay at the same scale. The correlation between the projected contacts from the drillhole input and those in the underground workings is excellent.

The outline of the geology of the 250 ft. level can be found also in Appendix 3.

In addition a detailed mapping of both the east and west walls of the crosscut has been made and it can also be found in Appendix 3.

#### **Shaft rehabilitation:**

The second part of the program includes the continuation of the dewatering and the rehabilitation of the existing Boston-Richardson shaft and the set-up of surface installations. The shaft collar area was excavated to approximately 40 ft. and the new concrete collar poured in August 1988. The shaft has been cleaned down to approximately 250 ft. The work is still in progress. The headframe was constructed and the installation of the hoist underway.

Because the old shaft was filled with refuse and garbage, it has been a slow process to have it cleared. To date it has been cleared down to 250 ft. and now, only one compartment still contains garbage. The shaft was abandoned seventy six years ago but the shaft timbers are still in excellent condition.

#### **RECOMMENDATIONS:**

To obtain a "proven ore" reserve figure the following exploration program is proposed :

Follow-up with a surface drilling program done on sections spaced at 25 meters intervals.

At the same time continuation of the rehabilitation and deepening to 900 ft. of the old Boston-Richardson 450 ft. vertical shaft ( 3 compartments: inside dimensions 19 ft. by 6 ft.)

From the 15% grade ramp, after completion of the 250 ft. level development, preparation and mining of bulk samples (15,000 to 20,000 tons), followed by metallurgical testings.

From the rehabilitated shaft, from the old levels (ie: 400 ft., 525 ft., 625 ft.) establish drill stations for detailed diamond drilling.

In addition, an air raise to be located in the western part of the deposit is planned connecting the ramp area with the old workings.

#### BUDGET

Surface drilling (40,000 ft. @ \$33/ft.)	\$1,320,000.
Environmental study and follow-up	200,000.
Dewatering of old Boston-Richardson	200,000.
Ramp, bulk sample preparation	800,000.
Shaft rehabilitation and deepening to 900 ft.	1,000,000.
Drifting:	1,000,000.
Air raise	330,000.
U.G. Diamond drilling (30,000 ft. @ \$20/ft.)	600,000.
Metallurgical testing (bulk)	350,000.
Reserve calculations	100,000.
Contingencies	600,000.
	-----
	\$ 6,500,000.
	=====

#### CONCLUSIONS:

Exploration work by Onitap on its Goldboro property through funding from Exploration Orex Inc. has resulted in outlining gold mineralization in several belts namely the New, Third, Fourth and Fifth belts. Stacked belts, associated with the East Goldbrook belt, located in the upper part of the folded sequence, have also been intersected carrying important gold values. In addition exploration is in progress along the axis

of the fold to the west toward the old West Goldbrook mine.

Probable Ore reserves were tabulated and are now at 1,659,128 tons @ 0.204 oz. Au/t, containing 338,650 ounces of gold.

The recommended exploration program is twofold; it combines the continuation of the surface drilling with an underground exploration program done from the ramp for the upper 400 ft. of the deposit, together with the rehabilitation and deepening of the old Boston-Richardson shaft to 900 ft. Detailed drilling and bulk sampling to be done jointly from several levels to arrive, within the time schedule of the option agreement to the feasibility decision.

The cost of such a program is estimated to be approximately of \$ 6,500,000.

RJD/KAN/

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



## REFERENCES:

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# NAREX Ore Search Consultants Inc.

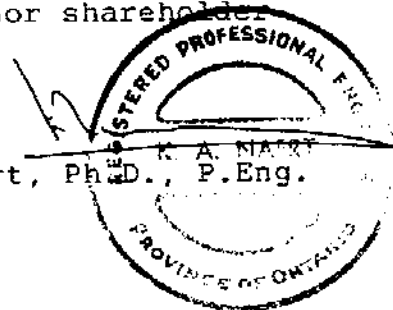
48-151 Nashdene Road  
 Scarborough, Ontario, Canada M1V 4C4  
 Tel.: (416) 293-2990  
 Fax.: (416) 293-2975

## 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.D., P.Eng.



Scarborough, Ontario  
 December 1, 1988





APPENDIX 1

List of completed drillholes  
Description of Assay Methods  
Individual geologic logs with  
Table of assay results and  
Certificate of Analysis.





NAREX Ore Search Consultants Inc.

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

GOLDBORO AREA - GUYSBOROUGH COUNTY  
NOVA SCOTIA.

EXPLORATION PROGRAM: LIST OF COMPLETED DIAMOND DRILL HOLES

	<u>Coordinates</u> (m)	<u>Dip</u>	<u>Start</u>	<u>Depth</u> (ft)
BR 88-39	675E- 25S	65 North	Feb. 1988	707
BR 88-40	800E- 50N	Vertical		1107
BR 88-41	725E- 50N	Vertical		1007
BR 88-42	825E- 125N	81 South		1111
BR 88-43	700E- 50N	Vertical		1107
BR 88-44	800E- 75N	Vertical		1107
BR 88-45	700E- 75N	Vertical		1107
BR 88-46	725E- 25N	Vertical		1107
BR 88-47	725E- 75N	Vertical		1082
BR 88-48	450E 25N	Vertical		1087
BR 88-49	600E- 55N	Vertical		726
BR 88-50	525E- 59N	Vertical		647
BR 88-51	481E 24N	Vertical		707
BR 88-52	528E- 16N	Vertical		707
BR 88-53	452E- 0.0	Vertical		807
BR 88-54	406E- 19N	Vertical		747
BR 88-55	483E- 45N	Vertical		900
BR 88-56	625E- 33N	Vertical		1047
BR 88-57	406E- 0.0	Vertical		875
BR 88-58	625E- 50N	Vertical		847
BR 88-59	380E- 12.5N	Vertical		897
BR 88-60	551E- 57.5N	Vertical		707
BR 88-61	402E- 45.5N	Vertical		795
BR 88-62	504E- 36.5N	Vertical		977
BR 88-63	375E- 6.5S	Vertical		1047
BR 88-64	551E- 17N	Vertical		751
BR 88-65	542E- 37N	Vertical		757
BR 88-66	454E- 51N	Vertical		1007
BR 88-67	505E- 19N	Vertical		1007
BR 88-68	501E- 56N	Vertical		1007
BR 88-69	487E- 0.0	Vertical		1007
BR 88-70	225E- 0.0	Vertical		827
BR 88-71	227E- 20N	Vertical		497
BR 88-72	153E- 1.0S	Vertical		477
BR 88-73	226E- 71N	Vertical		317
BR 88-74	153E- 50N	Vertical		237
BR 88-75	226E- 71N	55 North	Oct. 1988	997
BR 88-76	55E- 49N	60 North		1007
BR 88-77	126E- 97N	Vertical		849
BR 88-78	54E- 101N	Vertical	Nov. 1988	757

Total footage 34,463



## ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M6Z 2Z2 TELEPHONE (416) 239-3527

### METHOD FOR FREE GOLD DETERMINATION

Sample as received is weighed, crushed, pulverized and screened over 50 mesh screen. If +50 mesh fraction is more than 15 g, it is pulverized by hand and weighed. This entire portion is then used in the Fire Assay.

The -50 mesh portion is mixed and 2X15 g portions Fire Assay.

These three assays are then proportioned to the sample as received.



## ASSAYERS (ONTARIO) LIMITED

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

### METHOD OF FIRE ASSAY

15 grams of pulverized sample are mixed with appropriate fluxes ( $PbO$ ,  $Na_2CO_3$ ,  $Na_2B_4O_7$ , Flour) with Ag added and fused in ceramic pots at  $1000^{\circ}C$  for at least 1 hour or until melt is ready.

The Pb button (which contains the precious metals) is cupelled in bone ash cupels. The Ag bead obtained is parted in dilute  $HNO_3$ . The Au is dissolved in Aqua Regia (mixture of  $HNO_3$  and  $HCL$ ). This solution is made up to volume and then compared against appropriate Au standards with an Atomic Absorption instrument at wave length  $2428 \text{ \AA}$ . The results are then reported in oz/ton.

### METHOD OF CALCULATION:

$$\begin{aligned} 1 \text{ oz/ton} &= 1 \text{ mg of Au in } 29.166 \text{ g of sample} \\ &= 1000/29.166 = 34.29 \mu/g = 34.29 \text{ ppm} \end{aligned}$$

$$1 \text{ ppm} = 1000 \text{ ppb}$$

BR-39



# ASSAYERS (ONTARIO) LIMITED

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

## Certificate of Analysis

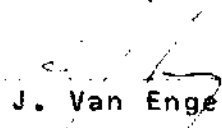
Certificate No. NX-132/7474 Date: March 8, 1988  
Received 64 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Inc. Att'n: Dr. K. Naert

Sample No.	Au ppb	Au oz/ton	Sample No.	Au ppb	Au oz/ton
11562	1137	.028	11582	257	
11563	1283	.032	11583	451	.012
11564	4105	.11	11584	231	
11565	943	.031	11585	205	
11566	743	.023			
11567	1501	.041			
11568	912	.032			
11569	2881	.095			
11570	1030	.026			
11571	932	.030			
11572	395				
11573	659	.025			
11574	1017	.027			
11575	803	.028			
11576	735	.023			
11577	1485	.042			
11578	571	.016			
11579	546	.016			
11580	735	.023			
11581	179				

BR 39

ASSAYERS (ONTARIO) LIMITED

Per

  
J. Van Engelen, Manager

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br39

Collar Eastings: 2214.00

Collar Northings: -120.00

Collar Elevation: -17.67

Collar Inclination: -65.00

Grid Bearing: 7.00

Final Depth: 707.00 feet

Logged by: KAN RJD

Date: February 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0.0	15.0	CASING (CB)						
15.0	55.0	ARENITE (AR) Typical, well foliated with schistosity at 65 to 80 degrees to core. At 51 there is a 1" light grey shale bed with an apparent dip of 45 degrees to core						
55.0	127.5	ARENITE SHALE (AR SHL) Typical arenite with areas of silica flooding, alternating with grey spotted shale, located as follows 55.0 to 58.0 layered silty shale apparent dip 50 degrees 58.0 to 71.0 the arenite has trace po 71.0 to 74.0 grey spotted shale 78.0 to 82.0 grey spotted shale with a quartz vein with trace cpy, aspy and py from 78.0 to 78.5 88.0 to 95.0 grey spotted shale with a ptygmatically folded qv and an apparent dip of 45 degrees to core Further narrow shale beds from 101.0 to 103.0, 110.0 to 110.5, 115.5 to 118.0, 121.0 to 123.0						
127.5	129.0	QUARTZ VEIN (QV) White massive quartz						
129.0	216.0	GREYWACKE SHALE (GR SHL) Fine to medium grained, grey grey-wacke with alternating narrow shale beds. Locally the greywacke is lightly siliceous and there are a few narrow quartz veins in the section						
216.0	251.0	ARENITE (AR) Typical, well foliated arenite with a quartz vein and two narrow shale beds located as follows 241.0 to 243.5 spotted shale						
251.0	254.5	SHALE (SHL) Fractured grey spotted shale with quartz veining						
254.5	437.0	ARENITE (AR) Typical foliated arenite, showing considerable silica flooding and several quartz veins Quartz vein at 287.0 2" with crystals of aspy Quartz vein at 289.0 2" Fractured from 297.0 to 298.0 with some dissolution features From 336.0 to 346.0 the arenite is bleached and fractured and has a light pinkish color Quartz veins from 354.0 to 355.5, 359.0 to 360.5, 368.0 to 369.0 From 369.0 to 372.0 the arenite is light grey and bleached At 396.0 END OF HQ						



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br39

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
		Quartz veins from 419.0 to 419.5, 422.0 to 423.0						
437.0	449.0	QUARTZ VEIN (QV) White massive quartz vein with feldspar and chlorite						
449.0	462.0	ARENITE (AR) As above with a quartz vein from 452.0 to 456.0 and increased aspy phenoblasts between 456.0 and 462.0						
462.0	477.0	GREYWACKE SHALE QUARTZ VEINING (GR SHL QV) Dark grey greywacke intercalated with dark shale (10%) and quartz veining (10%) Overall the greywacke contains 2-3% aspy and the shale bed from 471.0 to 472.0 contains 4% aspy	11573 11574 11575	462.00 467.00 472.00	467.00 472.00 477.00	5.00 5.00 5.00	659 1017 803	0.025 0.027 0.028
477.0	523.0	ARENITE (AR) Typical with silica flooding and a quartz vein from 480.5 to 481.0						
523.0	527.0	QUARTZ VEIN BLACK SHALE (QV BL.SHL) Massive quartz vein with a narrow black shale bed at the end of the section containing 5% aspy	11576	523.00	527.00	4.00	735	0.023
527.0	531.5	ARENITE (AR) As above						
531.5	539.5	SHALE GREYWACKE (SHL GR) Alternating beds of spotted dark grey shale with fine grained shaly greywacke, located as follows 531.5 to 532.2 spotted shale with elongated spots and with 3% aspy 532.2 to 536.0 fine grained shaly greywacke 536.0 to 537.5 dark grey spotted shale, with biotite and chlorite filled spots 537.5 to 539.5 Greywacke as above	11577 11578	531.50 536.00	532.20 537.50	0.70 1.50	1485 571	0.042 0.016
539.5	542.0	ARENITE (AR) Typical, foliated						
542.0	543.0	SHALE QUARTZ VEINING (SHL QV) 50% dark grey shale and 50% qv with 10% aspy						
543.0	556.5	ARENITE (AR) Typical well foliated arenite with large aspy phenoblasts and with a schistosity of 60 degrees to core	11579	542.00	543.50	1.50	546	0.016
556.5	559.5	SHALE QUARTZ VEINING (SHL QV) Dark shale mixed with quartz vein material both containing aspy, the section also contains a 1 ft greywacke bed	11580	556.50	559.50	3.00	735	0.023
559.5	570.5	ARENITE (AR) Typical , foliated						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br39

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
570.5	572.0	QUARTZ VEIN GRAPHITIC SHALE (QV GRAPH. SHL)	11581	570.50	572.00	1.50	179	0.005
572.0	578.0	ARENITE (AR) typical grading to greywacke at the end of the section						
578.0	583.0	SHALE QUARTZ VEINING (SHL QV) Shale with 50% quartz vein material which contains lenses of graphitic shale	11582	578.00	583.00	5.00	257	0.008
583.0	587.2	GREYWACKE (GR) Typical medium grained						
587.2	592.2	QUARTZ VEINING SHALE (QV SHL) 60% Quartz vein material and 40% shale with 2-3% aspy	11583	587.20	592.20	5.00	451	0.012
592.2	679.0	ARENITE (AR) Typical well foliated						
679.0	689.0	SHALE (SHL) Grey spotted with 2-3% aspy and a ptymatically folded narrow quartz vein	11584 11585	679.00 684.00	684.00 689.00	5.00 5.00	231 205	0.007 0.006
689.0	691.0	GREYWACKE (GR) Typical medium grained with aspy phenoblasts						
691.0	707.0	ARENITE (AR) Typical well foliated						
		707 END OF HOLE						

BR-40



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M6Z 2Z2 · TELEPHONE (416) 239-3527

## Certificate of Analysis

Certificate No. NX-132/ 7474

Date: February 29, 1988

Received 64 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
11522	45	11542	871 .026
11523	67	11543	* .061
11524	109	11544	* 1.83
11525	123	11545	>10000 .36
11526	121	11546	682 .018
11527	* .005	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

BR 40

\* 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: March 8, 1988  
 Received 64 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Dr. K. Naert

Sample No.	Au ppb	Au oz/ton	Sample No.	Au ppb	Au oz/ton
11562	1137	.028	11582	257	
11563	1283	.032	11583	451	.012
11564	4105	.11	11584	231	
11565	943	.031	11585	205	
<i>BR 40</i> 11566	743	.023			
11567	1501	.041			
11568	912	.032			
11569	2881	.095			
11570	1030	.026			
11571	932	.030			
11572	395				
11573	659	.025			
11574	1017	.027			
11575	803	.028			
11576	735	.023			
<i>BR 39</i> 11577	1485	.042			
11578	571	.016			
11579	546	.016			
11580	735	.023			
11581	179				

ASSAYERS (ONTARIO) LIMITED

Per J. Van Engelen, Manager

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br40

Collar Eastings: 2624.67

Collar Northings: 152.55

Collar Elevation: -7.60

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 1107.00 feet

Logged by: RJD KAN

Date: February 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS	
						WIDTH	Au ppb Au oz/t
0.0	34.0	CASING (CB)					
34.0	45.0	ARENITE (AR) Typical arenite, partly weathered and with iron staining on the joint places					
45.0	51.0	SHALE (SHL) Spotted shale beginning with 2" quartz vein and ending the section with a 2mm ptigmatic qv					
51.0	55.5	GREYWACKE (GR) Medium grained					
55.5	58.0	SHALE (SHL) Grey spotted shale with 3% aspy and a 3" quartz vein at 56.2, containing chlorite lenses					
58.0	94.0	ARENITE (AR VG) Typical, medium grey, foliated with visible gold at 65.2 in a 1 cm quartz vein. The foliation is subparallel to core. The section contains spotted shale from 88.5 to 89.0	11527	65.00	65.50	0.50	150 0.005
94.0	131.5	SHALE QUARTZ VEINING (SHL QV BELT) dark spotted silty shale with varying amounts of quartz vein material and aspy content. from 100.0 to 101.0 quartz vein. From 104.5 to 105.8 60% quartz 35% shale and 5% greywacke. The section contains 2 to 3% aspy	5507	121.00	123.00	2.00	5573 0.180
131.5	234.0	ARENITE SHALE (AR SHL) Typical arenite with minor quartz veins and several beds of grey to dark grey shale located as follows 149.5 to 152.0 apparent dip 48 degrees to core 161.0 to 162.5 with a ptigmatic qv 208.0 to 215.0 dark grey with chlorite and white carbonate filled spots 224.0 to 225.5 grey spotted shale 233.0 to 234.0 grey spotted shale with a 3" qv					
234.0	244.0	OLD WORKINGS (STOPE)  244.0 END OF HQ					
244.0	427.0	ARENITE (AR) Typical arenite, silicified and well foliated along biotite-rich banding. The foliation is sub-parallel to core. With a narrow quartz vein at 342.0 and at 407.0					
427.0	439.0	QUARTZ VEIN (QV) White massive with a few large qspy phenoblasts					

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br40

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
439.0	452.0	ARENITE (AR) Typical with frequent large aspy phenoblasts						
452.0	464.0	QUARTZ VEIN (QV) White massive quartz with fragments of arenite						
464.0	507.0	ARENITE QUARTZ VEINING (AR QV) Typical arenite with a white massive quartz vein from 478.0 to 481.0. Several smaller quartz veins between 487.5 and 507.0. There is an increased amount of aspy phenoblasts at the end of the section.						
507.0	509.0	QUARTZ VEIN (QV) White quartz with fragment of dark shale and with some chlorite lenses						
509.0	535.0	SHALE (SHL VG) Grey spotted shale with large chlorite spots and 2-3% aspy. Visible gold (2 specks) in a quartz vein between 517.5 and 519.0 From 519.0 to 530.0 the shale contains 3-4% aspy and from 530.0 to 535.0 contains 5% aspy	11530	509.00	514.00	5.00	1254	0.040
			11531	514.00	517.00	3.00	1163	0.039
			11532	517.00	520.00	3.00	8500	0.240
			11533	520.00	525.00	5.00	2241	0.067
			11534	525.00	530.00	5.00	643	0.018
			11535	530.00	535.00	5.00	681	0.020
535.0	625.5	ARENITE SHALE QV (AR SHL QV VG) Typical arenite section with intercalated shale and quartz veins 535.0 to 537.5 arenite with qv and 2% aspy 537.5 to 540.0 spotted biotite-rich shale with aspy 542.0 to 555.5 spotted shale with quartz veining and 4% aspy At the contact with the arenite, the apparent dip is 32 degrees 577.6 to 583.0 spotted dark grey shale with large visible gold speck, a 1ft quartz vein and 2-3% aspy 587.0 to 588.5 quartz vein with chlorite 588.5 to 592.0 spotted silty shale with 1-2% aspy	11536	535.00	540.00	5.00	333	0.010
			11537	540.00	545.00	5.00	1271	0.037
			11538	545.00	550.00	5.00	1388	0.036
			11539	550.00	555.50	5.50	1114	0.031
			11540	577.50	583.00	5.50	10000	1.240
			11541	583.00	587.00	4.00	506	0.016
			11542	587.00	592.00	5.00	871	0.026
625.5	634.0	QUARTZ VEINING SHALE (QV SHL VG) Quartz veining with fragments of shale and a speck of visible gold at 627.8 From 630.0 to 633.0 spotted silty shale with 2-3% aspy Quartz vein from 633.0 to 634.0 with one speck of visible gold at 633.0 and 634.0	11543	625.50	630.00	4.50	1800	0.061
634.0	665.5	SHALE QUARTZ VEIN (SHL QV) Spotted shale with quartz veining The spots are filled with white carbonate. The apparent dip of the section is 45 degrees to core	11544	630.00	635.00	5.00	10000	1.810
			11545	635.00	640.00	5.00	10000	0.360
			11546	640.00	645.00	5.00	500	0.018
			11547	645.00	650.00	5.00	780	0.027
			11548	650.00	655.00	5.00	589	0.016
			11549	655.00	660.00	5.00	641	0.018
			11550	660.00	665.00	5.00	551	0.015

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br40

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
665.5	835.5	ARENITE SHALE (AR SHL) Typical well foliated arenite with shale beds located as follows 669.0 to 675.0 silty shale with quartz veining 746.5 to 767.5 silty shale becoming lightly graphitic and spotted with elongated chlorite lenses and several narrow quartz veins. At 765.0 ptygmatic qv 1/2 cm with trace popy From 767.5 to 835.5 the arenite is silicified and contains large aspy phenoblasts at the end of the section	11551	747.00	752.00	5.00	373	0.011
			11552	752.00	757.00	5.00	272	0.009
			11553	757.00	762.00	5.00	247	0.008
			11554	762.00	767.00	5.00	341	0.010
835.5	842.0	SHALE QUARTZ VEIN (SHL QV) Spotted silty shale with 1% aspy and a quartz vein from 835.5 to 836.5						
842.0	871.0	ARENITE SHALE (AR SHL) Alternating beds of typical foliated arenite and spotted shale. The shale beds are located as follows 850.0 to 852.0 with a ptygmatic qv and trace pypo and from 856.5 to 859.0 From 859.0 to 871.0 there is disseminated aspy in the arenite						
871.0	944.0	SHALE QUARTZ VEINING (SHL QV BELT VG) Alternating dark shale and quartz veining. Visible gold in a narrow quartz vein at the contact with the above arenite section. The shale has 4-5% aspy. The quartz vein sections are located as follows 878.0 to 882.5, 910.0 to 914.0, 916.0 to 917.5 From 917.5 to the end the shale becomes more silty From 936.0 to 944.0 mainly quartz vein material with fragments of dark shale and aspy	11555	871.00	875.00	4.00	600	0.022
			11556	875.00	880.00	5.00	1301	0.040
			11557	880.00	885.00	5.00	379	0.011
			11558	885.00	890.00	5.00	2538	0.078
			11559	890.00	895.00	5.00	1027	0.029
			11560	895.00	900.00	5.00	125	0.004
			11561	900.00	905.00	5.00	113	0.003
			11562	905.00	910.00	5.00	1137	0.028
			11563	910.00	915.00	5.00	1283	0.032
			11564	915.00	920.00	5.00	4105	0.110
11565	920.00	925.00	5.00	943	0.031			
11566	925.00	930.00	5.00	743	0.023			
11567	930.00	935.00	5.00	1501	0.041			
11568	935.00	940.00	5.00	912	0.032			
944.0	959.0	SHALE (SHL) Silty shale with chlorite spots	11569	940.00	945.00	5.00	2881	0.095
			11570	945.00	950.00	5.00	1030	0.026
			11571	950.00	955.00	5.00	932	0.030
959.0	1107.0	ARENITE SHALE (AR SHL) Massive arenite interbedded with silty shale beds located as follows 970.5 to 976.5 biotite-rich silty shale with elongated white carbonate filled spots At 999.0 in the arenite a po veinlet and from 976.5 to 1004 several large aspy phenoblasts						



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br40

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		1004.0 to 1007.0 white massive quartz vein with chlorite lenses and a few aspy crystals 2" qv at 1031.0						
		1086.5 to 1092.0 biotite-rich shale with elongated chlorite spots and with a few narrow quartz veins						
		1107 END OF HOLE						

BR-41



# ASSAYERS (ONTARIO) LIMITED

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

## Certificate of Analysis

Certificate No. NX-133/7531

Date: March 23, 1988

Received Mar 21/88 41 Samples of Drill Core

Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

BR 41

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
11586	>10000 .33	11606	* .37
11587	555 .016	11607	203
11588	531 .014	11608	1815 .054
11589	277	11609	331
11590	2247 .078	11610	393
11591	2019 .053	11611	185
11592	910 .028	11612	199
11593	1519 .048	11613	1115 .033
11594	772 .024	11614	355
11595	639 .020	11615	812 .023
11596	>10000 .36	11616	287
11597	2899 .079	11617	433 .013
11598	3061 .075	11618	189
11599	298	11619	197
11600	1062 .030	11620	593 .016
11601	773 .022	11621	150
11602	51	11622	237
11603	1065 .028	11623	301
11604	7965 .24	11624	112
11605	275	11625	381
		11626	235

\* Free Gold Method

ASSAYERS (ONTARIO) LIMITED

Per J. van Engelen

J. van Engelen Mgr.

ANALYTICAL CHEMISTS · ASSAYING · CONSULTING · ORE DRESSING · REPRESENTATION



# ASSAYERS (ONTARIO) LIMITED

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

FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-135/01/7643

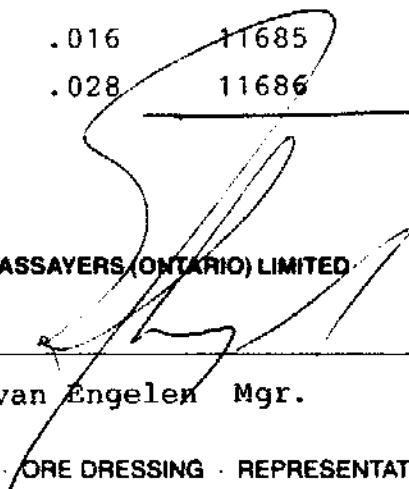
Date: May 10, 1988

Received 112 Samples of Drill core

Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
11627	1658 .050	11647	167	11667	75
11628	483 .015	11648	139	11668	* .42
11629	391 .011	11649	53	11669	918 .026
11630	3589 .10	11650	64	11670	139
11631	5515 .17	11651	113	11671	1147 .030
11632	212	11652	1251 .042	11672	21
11633	81	11653	500 .015	11673	5
11634	325	11654	791 .021	11674	985 .033
11635	1375 .041	11655	1459 .037	11675	* .73
11636	1886 .055	11656	91	11676	898 .030
11637	943 .028	11657	811 .026	11677	775 .024
11638	331	11658	317	11678	2868 .076
11639	315	11659	613 .015	11679	257
11640	111	11660	1672 .049	11680	878 .026
11641	1575 .043	11661	508 .015	11681	501 .015
11642	207	11662	>10000 .50	11682	861 .021
11643	351	11663	>10000 3.48	11683	44
11644	893 .027	11664	3600 .11	11684	* .16
11645	560 .013	11665	632 .016	11685	441 .014
11646	610 .015	11666	1216 .028	11686	253

ASSAYERS (ONTARIO) LIMITED

Per   
J. van Engelen Mgr.



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-135/01/7643

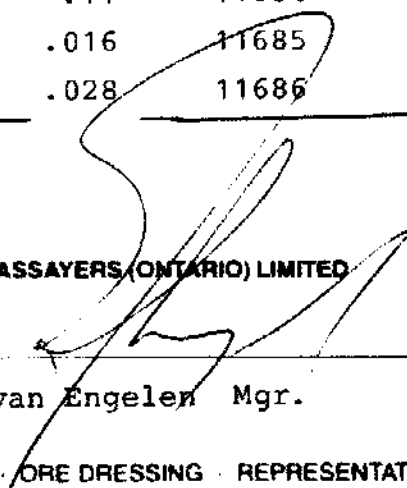
Date: May 10, 1988

Received 112 Samples of Drill core

Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
11627	1658 .050	11647	167	11667	75
11628	483 .015	11648	139	BR43 11668	* .42
11629	391 .011	11649	53	11669	918 .026
BR43 11630	3589 .10	11650	64	11670	139
11631	5515 .17	11651	113	11671	1147 .030
11632	212	11652	1251 .042	BR42 11672	21
11633	81	11653	500 .015	11673	5
11634	325	11654	791 .021	11674	985 .033
11635	1375 .041	11655	1459 .037	11675	* .73
11636	1886 .055	11656	91	11676	898 .030
11637	943 .028	11657	811 .026	11677	775 .024
11638	331	11658	317	11678	2868 .076
11639	315	11659	613 .015	BR42 11679	257
11640	111	11660	1672 .049	11680	878 .026
11641	1575 .043	11661	508 .015	11681	501 .015
11642	207	11662	>10000 .50	11682	861 .021
11643	351	11663	>10000 3.48	11683	44
11644	893 .027	11664	3600 .11	11684	* .16
11645	560 .013	11665	632 .016	11685	441 .014
11646	610 .015	11666	1216 .028	11686	253

ASSAYERS (ONTARIO) LIMITED

Per   
J. van Engelen Mgr.



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

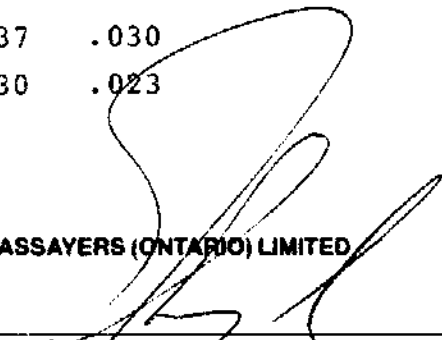
## Certificate of Analysis

Certificate No. NX-135/02/7643 Date: May 10, 1988  
 Received \_\_\_\_\_ 112 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

BR 42

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
11687	165	11707	211	11727	837 .021
11688	308	11708	13	11728	257
11689	978 .026	11709	29	11729	31
11690	1450 .042	11710	17	11730	35
11691	533 .016	11711	19	11731	57
11692	107	11712	449 .013	11732	4249 .14
11693	31	11713	63	11733	129
11694	159	11714	41	11734	111
11695	595 .018	11715	57	11735	13
11696	770 .024	11716	560 .015	11736	39
11697	381	11717	201	11737	37
11698	139	11718	237	11738	39
11699	97	11719	1178 .033		
11700	1227 .036	11720	358		
11701	95	11721	351		
11702	31	11722	285		
11703	77	11723	1087 .031		
11704	195	11724	1517 .041		
11705	150	11725	937 .030		
11706	279	11726	830 .023		

ASSAYERS (ONTARIO) LIMITED

Per   
 J. van Engelen Mgr.



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-135/02/7643

Date: May 10, 1988

Received 112 Samples of Drill Core

Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

*BR 42*

*BR 44*

*BR 45*

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
11687	165	11707	211	11727	837 .021
11688	308	11708	13	11728	257
11689	978 .026	11709	29	11729	31
11690	1450 .042	11710	17	11730	35
11691	533 .016	11711	19	11731	57
11692	107	11712	449 .013	11732	4249 .14
11693	31	11713	63	11733	129
11694	159	11714	41	11734	111
11695	595 .018	11715	57	11735	13
11696	770 .024	11716	560 .015	11736	39
11697	381	11717	201	11737	37
11698	139	11718	237	11738	39
11699	97	11719	1178 .033		
11700	1227 .036	11720	358		
11701	95	11721	351		
11702	31	11722	285		
11703	77	11723	1087 .031		
11704	195	11724	1517 .041		
11705	150	11725	937 .030		
11706	279	11726	830 .023		

ASSAYERS (ONTARIO) LIMITED

Per   
J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br41

Collar Eastings: 2391.73

Collar Northings: 164.04

Collar Elevation: 2.31

Collar Inclination: -90.00

Grid Bearing: 270.00

Final Depth: 1007.00 feet

Logged by: KAN RJD

Date: February 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	30.0	CASING (OB)						
30.0	56.0	ARENITE (AR) Typical foliated arenite with a black spotted shale bed from 31.0 to 31.2						
56.0	58.5	SHALY GREYWACKE (SHLY GR) medium grained, massive						
58.5	65.8	ARENITE (AR) Medium grained well foliated, with foliation parallel to core At the end of the section the arenite grades into graywacke						
65.8	69.0	SHALE (SHL) Dark spotted shale to shaly greywacke with chlorite filled spots. At 68.0 a black shale bed with an apparent bedding of 5 degrees to core From 68.0 to 68.5 spotted dark shale with a pygmatic qv						
69.0	119.0	ARENITE (AR) Typical well foliated. The core is broken and fragmented from 98.0 to 101.0 2" qv at 115.8						
119.0	151.0	BOSTON RICHARDSON BELT (BR BELT) Black to graphitic shale with small chlorite filled spots and a 1" qv at 119.5 From 121.0 to 123.4 quartz vein with carbonate From 123.4 to 128.0 typical arenite From 128.0 to 151.0 stope						
151.0	415.4	ARENITE with SHALE AND GREYWACKE INTERCALATIONS (AR, shl,gr) 1" qv at 158.0, 2" qv at 172.0 176.0 to 177.0 broken qv and dark shale 6" qv at 193.0 195.5 to 197.0 quartz vein with 20 % arenite broken core along the foliation plane from 221.0 to 227.0 other broken zones from: 259.0 to 267.0, 272.0 to 277.0 307.0 to 317.0 The arenite becomes lightly bleached around 300.0. From 317.0 to 331.0 the foliation is wavy and varies from sub-parallel to 45 degrees to core From 331.0 to 331.2 greywacke 331.2 to 333.5 black shale with 50% quartz and some aspy phenoblasts 333.5 to 337.8 fine grained foliated arenite 337.8 to 341.5 black shale with white carbonate filled	11586	331.00	333.50	2.50	10000	0.330
			11587	333.50	337.80	4.30	555	0.016
			11588	337.80	342.50	4.70	531	0.014
			11589	342.50	347.50	5.00	277	0.009
			11590	363.00	368.00	5.00	2247	0.078



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br41

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
		elongated spots.						
		341.5 to 342.5 fine grained biotite-rich foliated arenite						
		342.5 to 347.5 dark to black shale with elongated chlorite and carbonate filled spots. The shale is somewhat graphitic						
		347.5 to 349.0 biotite-rich foliated greywacke						
		349.0 to 354.0 black shale with two 2" qv						
		354.0 to 354.8 typical arenite						
		354.8 to 355.0 dark to black shale with chlorite spots and a narrow pygmatic qv						
		355.0 to 363.0 greywacke grading to arenite by 358.0						
		363.0 to 368.0 dark to black chlorite spotted shale with a 15" qv with graphitic shale fragments						
		368.0 to 382.5 arenite						
		382.5 to 383.5 shaly greywacke spotted with chlorite spots						
		383.5 to 387.3 biotite-rich arenite						
		387.3 to 390.5 dark shaly greywacke with quartz vein with graphitic shale fragments and a narrow pygmatic qv						
		490.5 to 402.0 arenite foliated, with foliation at 80 degrees hte last 1.5 ft grading to greywacke						
		402.0 to 411.0 grey shale to shaly greywacke						
		411.0 to 412.0 chlorite spotted dark shale						
		412.0 to 413.2 massive quartz vein						
		413.2 to 415.4 biotite-rich greywacke						
415.4	442.0	BLACK SHALE - NEW BELT (BL SHL NEW BELT)	11591	415.40	420.00	4.60	2019	0.053
		415.4 to 426.5 grey to black spotted shale with chlorite and carbonate and arsenopyrite filled spots	11592	420.00	425.00	5.00	910	0.028
		426.5 to 428.0 typical arenite	11593	425.00	430.00	5.00	1519	0.048
		428.0 to 432.0 grey to black spotted shale	11594	430.00	435.00	5.00	772	0.024
		432.0 to 435.0 1/2' graphite shale followed by mostly massive quartz vein with some feldspar crystals	11595	435.00	440.00	5.00	639	0.020
		435.0 to 442.0 black spotted chlorite rich shale with 1-2% aspy and minor qv. From 440.5 to 441.0 quartz vein with graphitic shale fragments	11596	440.00	442.00	2.00	10000	0.360
442.0	461.0	ARENITE (AR) Typical well foliated arenite						
461.0	467.5	SHALY GREYWACKE (SHLY GR) Spotted shaly greywacke with a wavy foliation, with chlorite and carbonate filled spots						
467.5	472.0	GREYWACKE (GR) biotite-rich greywacke						
472.0	477.5	SHALE (SHL) Grey spotted shale with elongated chlorite filled spots						

HOLE No: br41

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br41

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
477.5	494.5	ARENITE (AR) Typical biotite-rich well foliated arenite						
494.5	499.5	SHALY GREYWACKE (SHLY GR) grey spotted shaly greywacke with two quartz veins: from 494.8 to 495.6 and from 497.1 to 497.7						
499.5	506.0	GREYWACKE (GR) Mainly greywacke with minor shaly greywacke beds						
506.0	540.5	BLACK SHALE, QUARTZ VEINS THIRD BELT (BL SHL, QV, THIRD BELT)	11597	506.00	511.00	5.00	2899	0.079
		506.0 to 506.3 quartz vein	11598	511.00	516.00	5.00	3061	0.075
		506.3 to 521.0 black to graphitic shale, spotted with 2-3 % aspy with a quartz vein from 512.0 to 515.0 and a pygmatic qv at 519	11599	516.00	521.00	5.00	298	0.009
		521.0 to 525.0 spotted shaly greywacke	11600	521.00	526.00	5.00	1062	0.030
		525.0 to 530.0 black shale with 3-5% aspy	11601	526.00	531.00	5.00	773	0.022
		530.0 to 534.0 massive quartz vein	11602	531.00	536.00	5.00	51	0.000
		534.0 to 536.8 black graphitic shale with 20% qv with pink feldspar crystals	11603	536.00	540.50	4.50	1065	0.028
		536.8 to 538.0 massive quartz vein						
		538.0 to 540.5 black spotted shale with 3% aspy						
540.5	545.0	ARENITE (AR) Typical well foliated arenite						
545.0	547.5	BLACK SHALE QUARTZ VEIN (BL SHL) Black spotted shale with 20 % qv and 3% aspy apparent bedding at the contact 45 degrees to core	11604	545.00	547.50	2.50	7965	0.240
547.5	589.5	ARENITE (AR) Typical, but bleached with a foliation around 90 degrees to core and with narrow quartz veins at the following locations: 8" at 550, 4" at 552, 2" at 572						
589.5	602.0	BLACK SHALE, QV, VG, THIRD BELT-2 (BL SHL, QV, VG, THIRD BELT-2)	11605	589.50	593.50	4.00	275	0.009
		Dark grey to black graphitic shale, spotted with elongated carbonate filled spots	11606	593.50	596.00	2.50	10000	0.370
		From 593.5 to 596.0 quartz vein with black graphitic shale fragments and visible gold	11607	596.00	602.00	6.00	203	0.006
602.0	626.5	ARENITE (AR) Typical well foliated arenite						
626.5	632.5	SHALY GREYWACKE (SHLY GR) Grey shaly greywacke with quartz veins from 629.0 to 630.0 and from 632.0 to 632.5						
632.5	687.2	ALTERNATING ARENITE and GREYWACKE (AR GR) Alternating beds of greywacke and arenite distributed as follows:	11608	660.50	663.50	3.00	1815	0.054

HOLE No: br41

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br41

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
		632.5 to 634.0 graywacke						
		634.0 to 660.6 arenite						
		660.6 to 663.5 shaly greywacke with 50% quartz vein material						
		663.5 to 667.0 spotted greywacke with a 4" dark shale bed						
		667.0 to 672.0 typical arenite						
		673.0 to 673.5 grey spotted shale with quartz vein						
		673.5 to 684.0 typical arenite						
		684.0 to 684.2 quartz vein						
		684.2 to 687.2 greywacke						
687.2	732.0	DARK to BLACK SHALE - FOURTH BELT (BL SHL, FOURTH BELT)	11609	687.20	692.00	4.80	331	0.010
		Alternating beds of spotted dark to black shale with greywacke and occasional quartz veining	11610	692.00	697.00	5.00	393	0.011
		687.2 to 689.0 grey spotted shale with chlorite and carbonate spots and a pygmatic qv	11611	697.00	702.00	5.00	185	0.005
		689.0 to 689.5 quartz vein	11612	702.00	707.00	5.00	199	0.006
		689.5 to 692.0 same shale as above	11613	707.00	712.00	5.00	1115	0.033
		692.0 to 699.0 dark spotted shale	11614	712.00	717.00	5.00	355	0.010
		699.0 to 702.5 greywacke with an apparent dip of 60 degrees to core	11615	717.00	722.00	5.00	812	0.023
		702.5 to 707.2 dark spotted shale with a 5" qv at 703.0	11616	722.00	727.00	5.00	287	0.008
		707.2 to 708.5 greywacke	11617	727.00	732.00	5.00	433	0.013
		708.5 to 712.5 grey spotted shale						
		712.5 to 719.5 massive quartz vein						
		719.5 to 721.0 black spotted shale with quartz vein and 5% aspy						
		721.0 to 725.0 dark to black spotted chlorite-rich shale						
		725.0 to 730.0 greywacke						
		730.0 to 732.0 black shale with wavy elongated chlorite filled spots						
732.0	845.0	ARENITE QUARTZ VEINS (AR QV) Arenite with a few minor beds of shale and greywacke distributed as follows:						
		747.0 to 750.5 massive quartz vein						
		765.8 to 766.8 massive quartz vein						
		narrow quartz veins at 782 (2"), 784 (4"), 790 (2")						
		791.0 to 793.0 black spotted shale with elongated chlorite and carbonate filled spots						
		809.0 to 811.0 dark spotted shale						
		From 811 the arenite becomes finer grained						
		837.2 to 839.5 dark shale						
		843.5 to 845.0 greywacke						
845.0	849.0	QUARTZ VEIN (QV) Quartz vein with black shale fragments and an 8" black shale unite at each end of the vein						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br41

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
849.0	916.5	ARENITE - GREYWACKE (AR GR) fine to medium grained with a 2" quartz vein at 880.0 and a narrow ptygmatic qv at 890						
916.5	917.5	SHALE (SHL) Dark spotted shale						
917.5	921.0	BRECCIA IN SHALE (BRECCIA SHL) Brecciated shale unit going into a black graphitic shale at the end						
921.0	965.0	BLACK SHALE QUARTZ VEINING, FIFTH BELT (BL SHL, QV, FIFTH BELT) Alternating black shale with quartz veining distributed as follows: 921.0 to 922.5 grey shale 922.5 to 923.0 quartz vein 923.0 to 923.5 black shale 923.5 to 924.0 quartz vein 924.0 to 930.0 black shale 930.0 to 933.0 quartz vein 933.0 to 939.0 black shale with 30% quartz vein 939.0 to 943.0 quartz vein 943.0 to 946.0 black shale 946.0 to 957.0 quartz vein with black shale fragments 957.0 to 965.0 black spotted shale with minor qv and 2% aspy	11618	922.00	927.00	5.00	189	0.006
			11619	927.00	932.00	5.00	197	0.006
			11620	932.00	937.00	5.00	593	0.016
			11621	937.00	942.00	5.00	150	0.000
			11622	942.00	947.00	5.00	237	0.007
			11623	947.00	952.00	5.00	301	0.009
			11624	952.00	957.00	5.00	112	0.000
			11625	957.00	962.00	5.00	381	0.012
			11626	962.00	965.00	3.00	235	0.007
965.0	1007.0	ARENITE (AR) Fine grained with a well developed foliation and with 2% aspy from 965.0 to 967.5  1007.0 END OF HOLE						

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
300.00	-89.00	158.00
600.00	-88.00	246.00
900.00	-88.00	338.00
1007.00	-89.00	298.00

BR-42



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-135/02/7643 Date: May 10, 1988  
 Received \_\_\_\_\_ 112 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

BR42

BR44

BR45

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
11687	165	11707	211	11727	837 .021
11688	308	11708	13	11728	257
11689	978 .026	11709	29	11729	31
11690	1450 .042	11710	17	11730	35
11691	533 .016	11711	19	11731	57
11692	107	11712	449 .013	11732	4249 .14
11693	31	11713	63	11733	129
11694	159	11714	41	11734	111
11695	595 .018	11715	57	11735	13
11696	770 .024	11716	560 .015	11736	39
11697	381	11717	201	11737	37
11698	139	11718	237	11738	39
11699	97	11719	1178 .033		
11700	1227 .036	11720	358		
11701	95	11721	351		
11702	31	11722	285		
11703	77	11723	1087 .031		
11704	195	11724	1517 .041		
11705	150	11725	937 .030		
11706	279	11726	830 .023		

ASSAYERS (ONTARIO) LIMITED

Per \_\_\_\_\_  
 J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br42

Collar Eastings: 2707.00

Collar Northings: 410.00

Collar Elevation: -8.91

Collar Inclination: -81.00

Grid Bearing: 180.00

Final Depth: 1111.00 feet

Logged by: kan rjd

Date: April 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0.0	34.0	CASING (OB)						
34.0	51.1	SUB-ARENITE (SUB-AR) Medium grained grey massive with a one quartz vein at the end of the section.						
51.1	61.0	GREYWACKE ARENITE (GR AR) Massive to foliated along irregular biotite layering						
61.0	63.0	SHALE (SHL) Spotted grey shales, the spots are filled with fine chlorite						
63.0	70.5	GREYWACKE (GR) Medium grained medium grey massive						
70.5	72.5	SHALE (SHL) Black shale with a 20 cm quartz vein						
72.5	86.0	ARENITE (AR) Typical well foliated arenite						
86.0	98.0	GREYWACKE (GR) greywacke as above						
98.0	100.0	SHALE (SHL) Spotted dark to black shale with the spots filled with chlorite and some carbonate						
100.0	126.0	ARENITE (AR) Typical well foliated arenite with a few narrow greywacke intercalations						
126.0	138.0	GREYWACKE ARENITE (GR AR) Interbedded massive greywacke with well foliated arenite						
138.0	158.0	ALTERNATING GREYWACKE SHALE (ALTERN GR SHL) Massive to well bedded greywacke with interbedded spotted shale and occasional quartz veins as follows: 138.0 - 138.2 spotted shale 138.2 - 142.0 greywacke 142.0 - 146.0 grey spotted shale with a quartz vein from 145.5 to 146.0 146.0 - 150.5 greywacke 150.5 - 152.5 grey shale 152.5 - 158.0 shaly greywacke and black shale frm 154 to 155						
158.0	261.5	GREYWACKE WITH MINOR SHALE BEDS (GR minor SHL) Typical greywacke with minor shale beds distributed as follows and trace chalcopyrite at 168.0						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br42

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		181.0 - 186.0; 191.0 - 196.5; 207.0 - 208.0; 225.5 - 228.5 spotted shale with a narrow pygmatic quartz vein (2cm) and an apparent bedding of 50 degrees further narrow shale beds at: 231.0 - 232.0; 240.5 - 241.0; 248.0 - 249.0; 250.6 - 251 At 261 a 2cm quartz vein						
261.5	268.3	SHALE (SHL) grey shale and shaly greywacke with a quartz vein from 263.8 to 266.5						
268.3	281.0	SHALY GREYWACKE (SHLY GR) containing q 5cm quartz vein at 271.0 with trace chalcopyrite						
281.0	288.0	GREYWACKE (GR) typical greywacke with a 2 ft irregularly folded arenite bed						
288.0	301.2	GREYWACKE SHALE (GR SHL) Alternating greywacke and shale beds distributed as follows: 288.0 - 289.0 shaly greywacke 289.0 - 301.0 greywacke with subarenite 301.0 - 301.2 grey shale						
301.2	311.5	ARENITE (AR) Typical well foliated arenite to 305.0 followed by greywacke-subarenite to 311.5						
311.5	348.0	ALTERNATING GREYWACKE AND SHALES (GR SHL) Narrow beds of grey spotted shale inclosed in massive greywacke distributed as follows: 311.5 - 312.0 shaly greywacke 312.0 - 321.0 greywacke 321.0 - 326.0 bedded shaly greywacke with an apparent dip of 50 to 60 degrees 326.0 - 328.0 subarenite 328.0 - 333.0 shaly greywacke 333.0 - 336.5 grey spotted shale 336.5 - 339.0 greywacke 339.0 - 339.8 bedded shale greywacke 339.8 - 344.0 greywacke 344.0 - 348.0 broken shaly greywacke and shale						
348.0	391.0	ARENITE (AR) well foliated arenite						
391.0	415.0	SHALY GREYWACKE (SHLY GR) Shaly greywacke with intercalated grey shale beds and a quartz vein from 410.5 to 411.5 containing 60 percent quartz and 40 percent chlorite						



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br42

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
415.0	422.5	ARENITE (AR) Well foliated typical arenite						
422.5	431.5	GREYWACKE (GR) Typical massive greywacke						
431.5	433.0	SHALY GREYWACKE (SHLY GR) Bedded shaly greywacke with an apparent bedding of 55 degrees						
433.0	441.0	ARENITE (AR) Typical well foliated arenite with a shaly greywacke bed from 436.0 to 439.0						
441.0	447.0	GREYWACKE (GR) Massive greywacke with the last two feet grading into shaly greywacke						
447.0	498.5	ARENITE (AR) Typical well foliated arenite with a subvertical foliation including some sub-arenite beds						
498.5	510.0	SHALE (SHL) Grey spotted shale biotite rich becoming black spotted shale at 509						
510.0	515.0	ARENITE (AR) typical, biotite rich along foliation, grey						
515.0	520.0	SHALE (SHL BR BELT) graphitic, with quartz veining, containing 2 to 3% Aspy						
520.0	526.0	Old Workings (BR BELT) At 526': core barrel broken and jammed. WEDGE placed @ 440'						
442.0	447.5	GREYWACKE (GR) massive with intercalation of shale with quartz veining from 444-447.5.						
447.5	496.3	ARENITE (AR) typical, biotite rich along foliation ,80 degrees to subvertical, grey						
496.3	501.0	SHALE (SHL) becoming graphitic, with elongated chlorite alteration dots, 1 to 2% Aspy.						
501.0	511.0	GREYWACKE (GR) generally massive, with some shaly intercalated beds, narrow.						J.000 0.033
511.0	519.0	SHALE (SHL BR BELT)graph.some ptygmatic qtz.veining and 2 to 3% Aspy to 516, then quartz veining with some shale fragments and Aspy to 517.5', back to graphitic shale with 3-4% Aspy to 519'.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br42

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS	
						WIDTH	Au ppb Au oz/t
767.0	795.0	ARENITE (AR) typical, biotite inprint underlining foliation, generally medium grey.					
795.0	796.5	SHALE (SHL) fine grained, some layers graphitic ? dark grey.					
796.5	827.0	GREYWACKE (GR) alternating massive and layered shaly inter-sections with undulated, crenulated whitish layered dots of alteration.					
827.0	847.5	ARENITE (AR) typical, biotite inprint, medium grey, with sub-vertical foliation.					
847.5	852.0	SHALE (SHL VG) graphitic, spotted with alteration chlorite dots, mixed with quartz veining. VISIBLE GOLD @ 848.5. From 2 to 3% Aspy content.	11675	847.50	852.00	4.50	10000 0.730
852.0	855.0	GREYWACKE (GR) dark grey, massive, medium grained, with Aspy disseminated.	11676	852.00	855.00	3.00	898 0.030
855.0	859.5	SHALE (SHL) graphitic, spotted with alteration dots, mixed with approximately 40% of quartz veining, approx. 2% Aspy content.	11677	855.00	859.50	4.50	775 0.024
859.5	874.5	ARENITE (AR) typical, with some disseminated large Aspy crystals.					
874.5	877.0	QUARTZ VEIN (Q.V.) with some intercalated graphitic shale fragments.	11678	874.50	877.00	2.50	2968 0.076
877.0	879.2	GREYWACKE (GR) massive, grey, with some large Aspy crystals.	11679	877.00	879.20	2.20	257 0.008
879.2	890.0	SHALE (SHL) graphitic associated with quartz veining, some beds are more silty, spotted with whitish dots, grey to dark grey. 2 to 3% Aspy content.	11680 11681 11682	879.20 884.00 887.00	884.00 887.00 890.00	4.80 3.00 3.00	878 0.026 501 0.015 861 0.021
890.0	892.0	GREYWACKE (GR) containing some intercalated layers of graphitic shale, also a few large Aspy crystals, Colour medium grey.	11683	890.00	892.00	2.00	44 0.000
892.0	896.5	SHALE (SHL, VG) as from 879.2-890.0, with @ 894.5 a large V.GOLD dot in a 1" quartz vein.	11684	892.00	896.50	4.50	5500 0.160
896.5	905.5	ARENITE (AR) typical, siliceous, with small Aspy crystals disseminated.					

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br42

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
905.5	908.3	SHALE (SHL) graphitic, grey, biotite rich, quartz veining intercalated, approximately 2% Aspy, some Py and galena ?	11685	905.50	908.30	2.80	441	0.014
908.3	937.5	ARENITE (AR) typical, biotite inprint, generally siliceous, some thin veinlets of Py dissem., also large pseudo-porphyrroblasts of Aspy. From 932.0-934.0: quartz vein (bull quartz)						
937.5	939.5	SHALE (SHL) graphitic, with intercalated more silty sections, dark grey, spotted with alt. dots, also 1" quartz vein.						
939.5	951.0	ARENITE (AR) typical, foliated.						
951.0	971.0	SHALE, QUARTZ VEIN (SHL, Q.V.) the first ft., shale, silty, with whitish alt. dots, followed by a large quartz vein containing lenses of grey dotted shale to 967.0 then back into graphitic shale, dark grey with narrow ptigmatic qtz. veining. Approximately 3% Aspy content.	11686 11687 11688 11689	951.00 955.50 960.00 966.00	955.50 960.00 966.00 971.00	4.50 4.50 6.00 5.00	253 165 308 978	0.007 0.005 0.009 0.026
971.0	989.0	ARENITE (AR) typical, as above with a 6" quartz vein @ 978.0'						
989.0	990.5	SHALE (SHL) dotted, silty, with ptigmatic thin quartz vein. Also some large Aspy crystals dissem.						
990.5	1007.0	ARENITE (AR) typical, biotite inprint underlining foliation, medium grey.						
1007.0	1022.0	GREYWACKE (GR) massive beds alternating with some shaly beds, dark grey, partly graphitic.						
1022.0	1071.0	SHALE (SHL., BELT) graphitic, dark grey, spotted with elongated alteration dots, some chloritic, some carbon., whitish, some dissem. sulphides.	11690 11691 11692 11693 11694 11695 11696 11697 11698 11699	1022.00 1027.00 1032.00 1037.00 1042.00 1047.00 1052.00 1057.00 1062.00 1067.00 1071.00	1027.00 1032.00 1037.00 1042.00 1047.00 1052.00 1057.00 1062.00 1067.00 1071.00	5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 4.00	1450 533 107 31 159 595 770 381 139 97	0.042 0.016 0.003 0.000 0.004 0.018 0.024 0.010 0.004 0.003
1071.0	1111.0	ARENITE (AR) typical, with biotite inprint, foliation is approximately 70 to 80 degrees apparent dip, some large Aspy crystals erratically distributed.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br42

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		From 1099.0-1099.5: quartz vein.						
		END OF HOLE : 1111.0'						

BR-43

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br43

Collar Eastings: 2306.43

Collar Northings: 154.19

Collar Elevation: 2.46

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 1107.00 feet

Logged by: rjd

Date: April 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	23.0	CASING (OV)						
23.0	30.5	QUARTZ VEIN, SHALE (Q.V. & SHL) quartz vein followed by silty shale bed, greywacke type with the last 3" dark grey, slightly graphitic.						
30.5	76.0	ARENITE (AR) well foliated, slightly bleached with sub-vertical foliation, dirty grey.						
76.0	81.0	SHALE (SHL) dark grey, with alteration dots of chlorite, a narrow, 1/2cm pygmatic qtz. vein.						
81.0	84.0	ARENITE (AR) typical, as above						
84.0	89.0	Quartz vein (Q.V) bull quartz						
89.0	112.0	OLD STOPE (BOSTON RICHARDSON BELT)						
112.0	117.0	GREYWACKE (GR) shaly, med. grained, grey						
117.0	405.8	ARENITE (AR) thick unit located below the BR belt, typical, well foliated, the foliation is sub-vertical, dirty grey to medium grey. From 143.0 to 143.5: quartz vein 143.0 to 177.0: fractured, filled with carbonate, dark grey Quartz veins 2" @ 156.0' and 170.0' 177.0-227.0: typical, some Aspy crystals disseminated locally fractured, some dissolution pattern foliation sub-vertical 237.0-307.0: fractured and recemented by white carbonate core is quite broken-up 307.0-316.0: with some narrow 6" beds of shale, dark grey to black with chlorite dots also narrow qtz. veining with chlorite. 316.0-317.0: quartz vein. 317.0-327.0: some maced Aspy crystals. 327.0-367.0: typical, foliation apparent dip 65 to 60 degrees 368.5-370.0: quartz vein, barren 384.5-385.0: narrow shale bed, dotted.						
405.8	431.0	SHALE (SHL BELT) dark grey, dotted by whitish alteration spots surrounded by chlorite, 1 to 2% Aspy disseminated.	11627	405.80	410.00	4.20	1658	0.050
			11628	410.00	415.00	5.00	483	0.015

HOLE No: br43

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br43

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
		From 411.0-413.0: quartz vein with chlorite. Locally some beds more silty.	11629	415.00	420.00	5.00	391	0.011
			11630	420.00	425.00	5.00	3589	0.100
			11631	425.00	431.00	6.00	5515	0.170
431.0	458.0	ARENITE (AR) medium grey, massive, typical, foliated, biotite inprint well marked.						
458.0	465.0	GREYWACKE (GR shly) shaly with undulating, crenulated large alteration whitish dots, medium grey.	11632	459.00	464.00	5.00	212	0.006
465.0	470.0	GREYWACKE (GR) more massive, medium grey, med. grained.						
470.0	478.0	GREYWACKE (GR shly) shaly as from 458.0-465.0	11633	470.00	475.00	5.00	81	0.000
478.0	498.5	ARENITE (AR) as from 431.0-458.0, foliation app. dip 65 degrees						
498.5	501.5	QUARTZ VEIN (Q.V.) with lenses of graph. shale and chlorite, also approximately 2% Aspy.	11634	498.50	501.50	3.00	325	0.010
501.5	505.0	GREYWACKE (GR) massive, medium grey, med. grained.						
505.0	525.0	SHALE (SHL) dark grey, partly graphitic, dotted, some alteration spots are chloritic, others whitish. Some beds are very silty with large Aspy crystals diss. @ 522.0: contact between fine shale and a silty bed:60 degrees From 515.5 to 517.5: quartz vein with some Aspy.	11635	505.00	510.00	5.00	1375	0.041
			11636	510.00	515.00	5.00	1886	0.055
			11637	515.00	520.00	5.00	943	0.028
			11638	520.00	525.00	5.00	331	0.010
525.0	542.0	GREYWACKE (GR) typical, with some narrow, less than 12", shaly sections.						
542.0	546.0	SHALE (SHL) in part graphitic, dark grey, thin ptigmatic quartz veining, one large qtz. vein with Aspy blebs.	11639	542.00	546.00	4.00	315	0.010
546.0	603.0	ARENITE (AR) typical, biotite inprint, medium grey, foliated, some large Aspy crystals dissem. App. dip foliation:55 degrees From 582.0-585.5: quartz vein -bull quartz						
603.0	617.7	SHALE (SHL BELT) silty with elongated white alteration dots to 606.0 then followed by some graphitic shale layers, dark grey to black, elongated and large chlorite dots, several quartz veins :608.0-609.0 and 611.0-612.0. Aspy generally dissem. in small crystals, but some large Aspy crystals also erratically distributed.	11640	603.00	606.00	3.00	111	0.003
			11641	606.00	611.00	5.00	1575	0.043
			11642	611.00	615.00	4.00	207	0.006
			11643	615.00	617.70	2.70	351	0.010

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br43

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
617.7	677.0	ARENITE (AR) typical, biotite rich, grey to cleargrey, foliat. siliceous. Apparent dip foliation: 58 to 60 degrees. Toward end of section ptigmatic 1cm quartz vein.						
677.0	692.0	GREYWACKE (GR) generally massive, grey with narrow shale bed of 2" @ 682.0 intercalated. Dip of contact @ 692.0:70 degrees						
692.0	707.0	SHALE (SHL) dotted, graphitic with qtz. veining, dark grey, Aspy (crystals) dissem 2-3% of rock content From 697.0: more graphitic, ptigmatic qtz. veining, elongated whitish alteration dots.	11644	692.00	697.00	5.00	893	0.027
			11645	697.00	702.00	5.00	560	0.013
			11646	702.00	707.00	5.00	610	0.015
707.0	716.0	GREYWACKE (GR) generally massive with 3-4% Aspy in crystals disseminated, some narrow layers -1cm- of graphitic shale intercalated. Ptygmatic very thin 2mm quartz vein.	11647	707.00	712.00	5.00	167	0.005
716.0	750.0	SHALE (SHL) biotite rich, dark grey with large intercalations of more silty beds, elongated whitish alteration dots. Up to 20% of quartz veining. @ 721.0 & 740: ptigmatic narrow qtz. veins respectively 1/2 cm and 2 cm with 1 to 2% sulphide content. From 731.0': content Aspy 2-3%.	11648	712.00	717.00	5.00	139	0.004
			11649	717.00	722.00	5.00	53	0.000
			11650	722.00	727.00	5.00	64	0.000
			11651	727.00	732.00	5.00	113	0.003
			11652	732.00	737.00	5.00	1251	0.042
			11653	737.00	742.00	5.00	500	0.015
			11654	742.00	747.00	5.00	791	0.021
			11655	747.00	750.00	3.00	1459	0.037
750.0	759.0	GREYWACKE (GR) generally massive, grey, biotite rich.						
759.0	764.0	SHALE (SHL) grey, silty, locally graphitic C/a:70 degrees						
764.0	794.5	ARENITE (AR) typical, biotite rich inprint, foliated, clear grey, apparent fol. dip: 65-70 degrees.						
794.5	797.0	QUARTZ VEIN, SHALE (SHL, Q.V.): 1" shale, grey followed by quartz veining with some chlorite.						
797.0	878.0	ARENITE (AR) typical, biotite inprint, foliated, med. grey from 807.2-808.0: quartz vein from 821.0-835.0: large quartz vein - bull quartz from 844.0-846.0: quartz vein - bull quartz Large Aspy crystals disseminated over 2 ft @ 797.0 near contact Smaller Aspy crystals from 846.0 to 852.0 A few pseudoporphroblasts of Aspy dissem from 857.0 to 878.0	11656	820.00	826.00	6.00	91	0.000
			11657	852.00	857.00	5.00	811	0.026
878.0	882.5	SHALE (SHL) in part graphitic, dark grey with elongated white	11658	878.00	882.50	4.50	317	0.009



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br43

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		alteration dots and a thin ptigmatic qtz. vein						
882.5	887.0	GREYWACKE (GR) generally massive, with some narrow shaly layers intercalated from 883.0-884.0						
887.0	902.0	ARENITE (AR) typical, biotite rich, foliated, grey to clear grey.						
902.0	906.5	SHALE (SHL) grey, partly graphitic, also silty	11659	902.00	906.50	4.50	613	0.015
906.5	909.5	ARENITE (AR, D.V.) with several narrow quartz veins, also some layers of shale intercalated, 2% Aspy (crystals)	11660	906.50	909.50	3.00	1672	0.049
909.5	915.0	SHALE (SHL) graphitic black shale layers with intercalations of silty shale, ptigmatic qtz. vein	11661	909.50	915.00	5.50	508	0.015
915.0	923.0	QUARTZ VEIN (Q.V.) with lenses of dotted shale, also Aspy diss.	11662	915.00	920.00	5.00	10000	0.500
			11663	920.00	923.00	3.00	10000	1.000
923.0	932.0	Brecciated zone (XXX) with qtz. veining and some chlorite						
932.0	947.0	QUARTZ VEINING (Q.V.) with lenses of dark grey shale, dotted, intercalated. Some Aspy.	11664	932.00	937.00	5.00	3600	0.110
			11665	937.00	942.00	5.00	632	0.015
			11666	942.00	947.00	5.00	1216	0.028
947.0	968.0	ARENITE (AR) typical, foliated, biotite rich inprint, locally some thin fissures associated with bleaching and weathering.						
968.0	973.0	SHALE (SHL) dark grey, dotted with 6" quartz vein, also thin ptigmatic veining.	11667	968.00	973.00	5.00	75	0.000
973.0	990.0	GREYWACKE (GW) with some intercalated more shaly thin beds and layers. Pseudoporphyroblasts Aspy crystals.						
990.0	997.0	SHALE (SHL -VG) as from 968.0-973.0, @ 992.0 : dot of Visible gold. Silty sections ,greywacke type, intercalated.	11668	990.00	993.00	3.00	10000	0.420
			11669	993.00	997.00	4.00	918	0.026
997.0	1007.0	GREYWACKE (GR) with some layers of grey shale intercalated, gradational to Arenite						
1007.0	1085.0	ARENITE (AR) typical, as described above from 1017-1027: bleached with some fissures from 1044-1046: quartz veining with lenses of grey shale from 1057.5-1060: qtz. veining, grey shale, biotite lenses,	11670	1057.50	1060.00	2.50	139	0.004

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br43

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		occasional small blob of graph. shale? from 1084-1085: quartz vein and shale, grey, ptigmatic 2mm qtz. vein						
1085.0	1107.0	GREYWACKE (GR) med. grained, med. grey, generally massive, some layers of shale or more shaly, intercalated.  E.D.H.: 1107.0'						

BR-44

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br44

Collar Eastings: 2619.75

Collar Northings: 246.06

Collar Elevation: -8.99

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 1107.00 feet

Logged by: rjd

Date: April 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0.00	32.0	CASING (GV)						
32.0	36.0	Boulders ? Mostly ARENITE (AR)						
36.0	86.0	ARENITE (AR) medium grained, typical, medium grey with biotite inprint, foliated with apparent dip of 70 degrees. @ 71.0': ptymatic thin (2mm thick) quartz vein associated with some narrow 1" shale layer. @ 80.0': 1" shale, grey, associated with 2mm quartz vein, trace chalcopyrite.						
86.0	94.5	GREYWACKE (GR) med. to fine grained, grey, with dotted grey shale intercalations.						
94.5	101.0	SHALE (SHL) dotted with elongated chlorite spots, grey followed by quartz vein from 95.5 to 97.0 with lenses of grey shale containing up to 2-3% Aspy intercalated. From 97.0 onwards, same shale as above, but more silty, also narrow ptymatic qtz. vein.						
101.0	121.0	GREYWACKE (GR) as from 86.0-94.5, also some qtz. veining and trace Py.						
121.0	166.0	ARENITE (AR) typical as from 36.0 to 86.0, trace Py.						
166.0	182.0	GREYWACKE (GR) generally massive, but containing numerous shaly intersections, narrow, sometimes dotted (chlorite)						
182.0	186.5	SHALE (SHL) contorted with lenses of quartz veining containing shale fragments.						
186.5	208.0	ARENITE (AR) typical, biotite inprint, bleached and brecciated @ 197.0' and more pinkish in colour.						
208.0	211.0	SHALY GREYWACKE (GR shl.) as above.						
211.0	221.0	GREYWACKE, generally massive, med. to fine grained, grey.						
221.0	222.0	SHALE (SHL) grey greenish with quartz veining.						
222.0	277.0	ARENITE (AR) typical, siliceous, light grey more whitish in colour from 256.0 to 266.0'.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br44

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
594.5	612.0	GREYWACKE (GR): some more fine grained shaly beds alternating with fine to med. grained massive beds. The shaly beds are quite narrow.						
612.0	620.0	SHALE (SHL) dotted, grey greenish, with intercalated quartz vein following same dip as the hole, some Py-Po sulphide along quartz vein.	11702	612.00	616.00	4.00	31	0.000
			11703	616.00	620.00	4.00	77	0.000
620.0	637.0	ARENITE (AR) pinkish grey, biotite rich along foliation, siliceous, with some maclad Aspy crystals.						
637.0	677.0	ARENITE (AR) typical, siliceous, biotite rich inprint, foliation apparent dip: 55 degrees.						
677.0	727.0	ARENITE (AR) typical, siliceous as above.						
727.0	750.0	SHALE (SHL) dotted (chlorite dots) over 2" followed by quartz vein with inclusions of graphitic shale and chlorite and also some Py to 730.0', then back to grey greenish shale with some interbedded more silty, greywacke type beds. A few medium size Aspy crystals disseminated. Comb-like elongated alteration grid, chlorite). Locally shale is biotite rich.	11704	727.00	730.00	3.00	195	0.005
			11705	730.00	735.00	5.00	150	0.004
			11706	735.00	740.00	5.00	279	0.008
			11707	740.00	745.00	5.00	211	0.006
750.0	758.0	GREYWACKE (GR) medium grained, generally massive, grey						
758.0	761.0	SHALE (SHL) grey greenish, with chlorite alteration dots, fine to very fine grained.						
761.0	764.0	GREYWACKE (GR) as above.						
764.0	794.0	GREYWACKE, shaly (GR shly) medium to f. grained, grey green. with intercalated layers and thin beds of shale, generally dotted, barren.						
794.0	852.5	ARENITE (AR) typical, with biotite inprint along foliation, very thin fissures (water seams?) @ 790.0, 795.0 & 800.0'. from 797.0 to 800.0: bleached. From 802.0 to 804.0': narrow SHALE bed intercalated, grey green with a 1/2cm ptigmatic quartz vein with tr. Py and Cpy Idem from 818.0 to 819.0'. @ 832.0: large pseudo-porphyroblast of Aspy. Foliation: apparent dip 60 degrees.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br44

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
852.5	854.0	SHALE (SHL) grey, vaguely dotted, silty layers greywacke type intercalated.						
854.0	867.0	ARENITE (AR) typical, as described above.						
867.0	874.0	GREYWACKE (GR) shaly, grey, f. to med. grained.						
874.0	883.0	SHALE (SHL) grey greenish, dotted, silty (chlorite dots) with quartz veining (approximately 20%) with chlorite inclusions, trace sulphide (Py, Aspy).	11708 11709	874.00 879.00	879.00 883.00	5.00 4.00	13 29	0.000 0.000
883.0	897.0	ARENITE (AR) typical as above.						
897.0	902.0	SHALE (SHL) as from 874.0-883.0, also 20% qtz. veining.	11710	897.00	900.50	3.50	17	0.000
902.0	917.0	GREYWACKE (GR) with some narrow shaly beds (contact app. dip: 60 degrees)						
917.0	953.5	ARENITE (AR) typical, well foliated (apparent dip:60 degrees) biotite inprint, medium grey.						
953.5	958.5	SHALE (SHL), dotted with alteration chlorite dots, grey green @ 957.0': narrow 1cm ptigmatic qtz. vein with some Py.	11711	953.50	958.50	5.00	19	0.000
958.5	965.5	GREYWACKE (GR) medium grained, massive.						
965.5	974.0	SHALE (SHL) dotted, grey green, with intercalated silty layers.						
974.0	978.8	ARENITE (AR) typical, as above.						
978.8	984.0	SHALE (SHL) dotted, silty, as above.						
984.0	1001.8	ARENITE (AR) typical, foliated with biotite inprint, siliceous medium grey.						
1001.8	1003.2	QUARTZ VEIN & SHALE (Q.V. & SHL) dotted with some Aspy crystals disseminated.	11712	1001.80	1003.20	1.40	449	0.013
1003.2	1011.2	GREYWACKE (GR) shaly, f. to med. grained, grey, some alteration chlorite dots in the more shaly beds.						
1011.2	1020.0	SHALE (SHL) with chlorite alteration dots, 2mm ptigmatic quartz veining, some layers very silty.	11713 11714	1011.20 1016.00	1016.00 1020.00	4.80 4.00	63 41	0.000 0.000

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br44

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
1020.0	1030.0	GREYWACKE (GR) generally massive, med. to fine grained, grey.						
1030.0	1036.0	SHALE (SHL) as above.						
1036.0	1042.5	GREYWACKE (GR) as from 1020.0-1030.0						
1042.5	1047.0	SHALE (SHL) as from 1011.2-1021.0', also pygmatic qtz. vein.	11715	1042.50	1046.00	3.50	57	0.000
1047.0	1057.5	GREYWACKE (GR) as above with some narrow shaly beds intercalated.						
1057.5	1072.5	ARENITE (AR) siliceous, typical, with biotite inprint, foliated						
1072.5	1077.0	QUARTZ VEIN & SHALE (Q.V. & SHL), two ft. quartz vein with shale inclusion followed by Shale, dotted, grey green.	11716	1072.50	1077.00	4.50	560	0.015
1077.0	1098.0	ARENITE (AR) typical with large Aspy crystals @ 1097.5						
1098.0	1100.0	SHALE (SHL) bed, intercalated, as from 1072.5-1077.0						
1100.0	1107.0	ARENITE (AR) typical, well foliated, apparent dip 60 degrees						
		END OF HOLE: 1107.0'						

BR-45





# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-136/02/7677

Date: May 17, 1988

Received \_\_\_\_\_ 78 Samples of Ore

Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R.J. Dhenne

### \* FREE GOLD

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
BR 46 11777	54	11797	838 (.023)
11778	2442 (.073)	BR 47 11798	* (.51)
11779	1151 (.037)	11799	>10000 (.59)
11780	252	11800	719 (.022)
11781	511 (.014)	11801	61
11782	6891 (.25)	11802	1456 (.037)
11783	1343 (.047)	11803	1257 (.039)
11784	>10000 (1.57)	11804	* (.31)
11785	5915 (.18)	11805	101
11786	77	11806	197
11787	500 (.014)	11807	123
11788	3268 (.096)	11808	54
11789	779 (.021)	11809	578 (.016)
11790	940 (.031)	11810	151
11791	1477 (.035)	11811	78
11792	* (2.10)	11812	83
11793	* (2.51)	11813	3119 (.093)
11794	214	11814	1781 (.057)
11795	213	11815	3034 (.084)
11796	494 (.015)	11816	241

ASSAYERS (ONTARIO) LIMITED

Per \_\_\_\_\_

J. van Engelen Mgr.



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Received 78 Samples of Ore  
Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R.J. Dhenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
11739	769 (.025)	11758	40
11740	51	11759	20
BR 46 11741	>10000 (.45)	11760	171
11742	434 (.013)	11761	73
11743	371	11762	165
11744	3041 (.10)	11763	983 (.031)
11745	998 (.033)	11764	506 (.013)
11746	692 (.019)	11765	186
11747	421 (.013)	11766	44
11748	761 (.024)	11767	799 (.019)
11749	66	11768	940 (.030)
11750	443 (.013)	11769	40
11751	1443 (.043)	11770	933 (.025)
11752	2441 (.069)	11771	935 (.028)
11753	151	11772	19
11754	315	11773	2440 (.075)
11755	34	11774	93
11756	333	11775	55
11757	301	11776	23

ASSAYERS (ONTARIO) LIMITED

Per 



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<i>BR 4/6</i> 11777	54	11797	838 (.023)
<i>BR 4/6</i> 11778	2442 (.073)	11798	* (.51)
11779	1151 (.037)	<i>BR 4/7</i> 11799	>10000 (.59)
11780	252	11800	719 (.022)
11781	511 (.014)	11801	61
11782	6891 (.25)	11802	1456 (.037)
11783	1343 (.047)	11803	1257 (.039)
11784	>10000 (1.57)	11804	* (.31)
11785	5915 (.18)	11805	101
11786	77	11806	197
11787	500 (.014)	11807	123
11788	3268 (.096)	11808	54
11789	779 (.021)	11809	578 (.016)
11790	940 (.031)	11810	151
11791	1477 (.035)	11811	78
11792	* (2.10)	11812	83
11793	* (2.51)	11813	3119 (.093)
11794	214	11814	1781 (.057)
11795	213	11815	3034 (.084)
11796	494 (.015)	11816	241

ASSAYERS (ONTARIO) LIMITED

Per J. van Engelen

J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br45

Collar Eastings: 2288.38

Collar Northings: 232.93

Collar Elevation: -5.89

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 1107.00 feet

Logged by: rjd

Date: April 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Auppb	Auo2/t
0	22.0	CASING (CB)						
22.0	47.0	ARENITE (AR) typical with reddish brown iron staining on joints Well marked foliation underlined by biotite inprint, some fissures @ 47.0'						
47.0	62.0	GREYWACKE (GR) with some shaly f. grained intersections. Last foot is typical Shale, dotted with a 2" quartz vein.						
62.0	83.0	ARENITE (AR) very typical, siliceous to 78.0', then bleached fractures with fissures locally to 78.0, then back to typical, siliceous arenite. @ 83.0': 2mm ptigmatic qtz. vein followed by 1" of Shale, grey.						
83.0	121.0	ARENITE (AR) typical, siliceous, med. grey but becoming more blocky at 96.0'.						
121.0	125.0	SHALE (SHL) grey, dotted with chlorite alteration dots, trace Aspy.						
125.0	136.0	ARENITE (AR) typical but broken-up core, blocky.						
136.0	148.0	OLD WORKINGS (BOSTON RICHARDSON BELT)						
148.0	396.4	ARENITE (AR) THICK UNIT located below the BR BELT from 148.0 to 162.0: bleached, broken-up, grey pinkish, fractured. 162.0-163.0: quartz vein, bull quartz. 163.0-174.5: arenite typical but numerous small fissures in the rock 174.5-178.0: quartz vein, bull quartz. 178.0-197.0: typical, partly bleached, small Aspy crystals disseminated. 197.0-217.0: typical, foliated, apparent dip 60 to 80 degrees partly bleached, grey pinkish, very fractured from 207.0' 217.0-287.0: grey, more compact, siliceous with biotite inprint Some sections are more weathered, bleached :254.0-255.0, 267.0 Some cavities @ 281.0' 287.0-297.0: partly bleached, clear grey 297.0-327.0: typical, siliceous, biotite inprint, 1" qtz. vein 327.0-337.0: small Aspy crystals disseminated apparent dip of foliation: 65 degrees.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br45

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Auppb	Auoz/t
				FROM	TO	WIDTH		
		337.0-396.4: siliceous, grey, biotite inprint @ 385.0: 2" quartz vein cutting core obliquely						
396.4	400.5	SHALE (SHL) dotted, grey, silty with a quartz vein from 398.3 to 400.5	11717	396.40	400.50	4.10	201	0.006
400.5	408.0	GREYWACKE (GR) generally massive, minor narrow shaly sections, medium grey. Some large Aspy crystals						
408.0	412.0	SHALE (SHL) grey, dotted, some quartz veining. Also thin ptygmatic qtz. vein.	11718	408.00	412.00	4.00	237	0.007
412.0	479.2	ARENITE (AR) typical, very siliceous, a few pseudo- porphyroblasts of Aspy near contact with shale. Foliated From 442-443: quartz vein with blebs of chlorite.						
479.2	505.0	SHALE (SHL) over 1" followed by a 3' quartz vein with associated chlorite and blebs of Aspy, then back to dotted Shale biotite rich, dark grey, containing 1 to 2% Aspy. Dots are mostly up to 1mm chlorite spots. Silty interca- lation from 492.0-495.0	11719 11720 11721 11722 11723 11724	479.20 482.50 487.00 492.00 497.00 502.00	482.50 487.00 492.00 497.00 502.00 505.00	3.30 4.50 5.00 5.00 5.00 3.00	1178 358 351 285 1087 1517	0.033 0.010 0.010 0.008 0.031 0.041
505.0	517.0	GREYWACKE (GR) generally massive, med. grained, med. grey, minor narrow shaly beds intercalated, some large Aspy crystals disseminated.						
517.0	537.0	SHALE and QUARTZ VEIN (SHL,Q.V.) mixed :50% Shl,50% quartz veining, with 2 to 3% Aspy content. Shale dotted as from 479.3-505.0	11725 11726 11527 11728	517.00 522.00 527.00 532.00	522.00 527.00 532.00 537.00	5.00 5.00 5.00 5.00	937 830 837 257	0.030 0.023 0.021 0.008
537.0	582.0	GREYWACKE (GR shly) shaly alternating with more massive greywacke beds. Shale beds dotted. Also some large macled Aspy crystals.						
582.0	599.0	ARENITE (AR) typical, siliceous, biotite inprint, foliated Apparent dip: 60-65 degrees. Generally medium grey.						
599.0	631.0	GREYWACKE (GR) generally massive, medium to f. grained, grey, alternating with minor shaly beds, occasionally dotted.						
631.0	636.8	SHALE (SHL) grey, with crenulated elongated whitish alteration spots. Barren						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br45

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Auppb	Auoz/t
				FROM	TO	WIDTH		
536.3	644.5	GREYWACKE (GR) massive, grey, biotite rich.						
644.5	663.0	QUARTZ VEIN, SHALE (Q.V.,SHL) quartz vein over 3', followed by Shale, dotted with elongated white spots, some more silty beds intercalated.	11729	644.50	647.00	2.50	31	0.000
			11730	647.00	652.00	5.00	35	0.000
663.0	705.5	ARENITE (AR) typical, with biotite inprint, grey, foliated. Apparent dip: 60 degrees to vertical. Over the last 5', several large Aspy crystals. One lense of Shale on side of core from 703.0 to 704.0						
705.5	733.0	SHALE (SHL) dotted, grey, with some quartz veining. Also ptygmatic thin qtz. veining. Some intercalated beds are more silty, more greywacke type. Trace Cpy at 733.0, also Po blebs.	11731	705.50	710.00	4.50	57	0.000
			11731	710.00	713.00	3.00	4249	0.140
733.0	748.2	ARENITE (AR) typical, foliated. Apparent dip: 60 degrees.						
748.2	750.3	QUARTZ VEIN, SHALE (Q.V.,SHL) dotted, grey, trace sulphides.	11733	748.20	750.30	2.10	129	0.004
750.3	771.0	GREYWACKE (GR) grey, generally massive.						
771.0	778.5	SHALE (SHL) dotted, grey green, silty, occasional imm chlorite dots.						
778.5	782.0	GREYWACKE (GR) massive, as above.						
782.0	786.0	SHALE (SHL) grey, with large chlorite alteration dots, quartz veining, more silty beds over last 2 ft.						
786.0	792.0	GREYWACKE (GR) massive, as above.						
792.0	793.5	SHALE (SHL) grey green, dotted, silty.						
793.5	803.2	ARENITE (AR) siliceous, typical, biotite inprint along foliation.						
803.2	808.3	SHALE, QUARTZ VEIN (SHL,Q.V.) 1" dotted shale followed by quartz veining, over 2.5', then a section of shale followed by more quartz veining : approx. 50/50.	11734	803.20	808.20	5.00	111	0.003
808.3	822.0	ARENITE (AR) typical as from 793.5-803.2						
822.0	827.0	GREYWACKE (GR), grey, shaly, 2" ptygmatic veining following						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br45

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Auppb	Auoz/t
				FROM	TO	WIDTH		
		foliation.						
827.0	877.0	ARENITE (AR) typical, foliated. Apparent dip: 60 degrees. Quartz vein from 854-857.						
877.0	892.0	GREYWACKE (GR) with numerous shaly beds intercalated, med. grained, silty. Quartz vein from 882.0-883.0						
892.0	933.0	ARENITE (AR) typical, siliceous, biotite rich along foliation, grey colour, some veinlets of Po along foliation.						
933.0	934.0	Shale, dotted, chlorite alteration spots, grey green						
934.0	947.0	ARENITE (AR) as above.						
947.0	948.5	SHALE (SHL) dotted, grey, trace Cpy.						
948.5	959.0	GREYWACKE (GR) generally massive, grey.						
959.0	972.0	SHALE (SHL) dotted, grey greenish, three 3" quartz veins. Trace Cpy.	11735	961.00	964.00	3.00	13	0.000
			11736	964.00	967.00	3.00	39	0.000
972.0	992.0	GREYWACKE (GR) typical, grey, generally massive, minor shaly intercalations.						
992.0	1018.0	SHALE (SHL) grey green, ptigmatic quartz veins : 1cm @ 992.0, 1003.0, 1016.0, associated with trace of Cpy.	11737	992.00	994.50	2.50	37	0.000
			11738	1014.00	1017.00	3.00	39	0.000
1018.0	1078.1	ARENITE (AR) typical, siliceous, from 1047.0 onwards, large Aspy crystals. Foliation: apparent dip:60 degrees. @1052: 2" quartz vein						
1078.1	1082.0	GREYWACKE (GR) generally massive, grey, minor shaly beds inter- calated.						
1082.0	1096.0	ARENITE (AR) as above.						
1096.0	1099.0	GREYWACKE (GR) shaly, grey.						
1099.0	1106.0	ARENITE (AR) as above.						
1106.0	1107.0	GREYWACKE (GR) shaly, 1" quartz vein.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br45

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH	Appb	Auoz/t
		E.D.H. at 1107.0'						





NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br46

Collar Eastings: 2411.42

Collar Northings: 83.66

Collar Elevation: -2.65

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 1107.00 feet

Logged by: RJD

Date: April 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	24.0	CASING (OB)						
24.0	47.0	GREYWACKE (GR) generally massive, grey, foliated. The foliation is sub-vertical. From 30.0-36.0: shaly beds, sometimes with alteration dots From 36.0-42.0: broken-up core. From 42.0-42.5: quartz vein with feldspar From 42.5-47.0: shaly beds, med. grey						
47.0	106.0	ARENITE (AR), foliated, core broken-up, locally bleached, biotite inprint along sub-vertical foliation. @ 86.0': quartz vein @ 88.0': brecciated over 1", recemented @ 91.0: narrow shale bed, grey						
106.0	107.5	SHALE (SHL) dotted, chlorite alteration spots, grey with some quartz veining.						
107.5	131.0	ARENITE (AR) med. grained, grey, biotite rich underlining foliation, quite massive, silicified.						
131.0	132.5	SHALE (SHL) grey, dotted with elongated alteration spots, 1/2" qtz. vein.						
132.5	192.0	ARENITE (AR) typical, medium grey, silicified, foliation subvertical. Quartz veins from 173.5-174.0; 175.3-175.7 (with chlorite); from 191.0-192.0: Aspy crystals, sometimes maced.						
192.0	203.5	QUARTZ VEIN, SHALE (Q.V., SHL, BR BELT) quartz vein to 193.5, then dark grey graphitic shale with quartz veining and dissem. Aspy crystals (1-2%)	11739 11740	192.00 193.50	193.50 197.00	1.50 3.50	769 51	0.025 0.000
203.5	463.5	ARENITE (AR) thick unit, below the Boston-Richardson Belt, typical, medium grey, foliated: sub-vertical foliation, biotite inprint to 230.0 from 230-246: slightly weathered, bleached, clear grey from 246-286: typical, siliceous, biotite rich along foliation from 286-336: typical, foliation quasi sub-vertical, siliceous, biotite inprint, medium grey. from 336-346: slightly bleached, foliation sub-vert. to 80 degrees						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br46

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			
				FROM	TO	WIDTH	Au ppb Au oz/t
		from 346-366: fractured, brecciated, recemented over 1" @ 362'. @ 366': end of NQ. from 366-371: typical, siliceous, biotite inprint underlining foliation. Apparent dip: 80 degrees. 371-374.5: quartz vein : bull quartz. 374.5-387: typical, core more fractured and blocky. 409.5-410.5: quartz vein around 414': some large Aspy crystals, foliation sub-vertical to 80 degrees from 387-463.5: typical, siliceous, biotite inprint, medium grey @ 443': 3" quartz vein. @ 446': 2" quartz vein. from 461-463.5: disseminated Aspy crystals last 2" of section: brecciated, bleached, pinkish, some Aspy.					
463.5	465.5	SHALE (SHL) dark grey to black, dotted, large Aspy crystals, maled near 463.5, also quartz veining plus chlorite. 3-4% Aspy content.	11741	463.50	465.50	2.00	10000 0.450
465.5	482.1	ARENITE (AR) typical, foliated, biotite inprint, medium grey Foliation sub-vertical to 70 degrees.					
482.1	492.5	SHALE (SHL) grey to dark grey, biotite rich, some intercalated beds are more silty, greywacke type from 485.0-488.9 Also quartz veining associated. Trace sulphides.	11742 11743 11744	482.10 485.00 488.90	485.00 488.90 492.50	2.90 3.90 3.60	434 0.013 371 0.009 3041 0.100
492.5	508.5	ARENITE (AR) typical as from 465.5-482.1.					
508.5	509.8	QUARTZ VEIN, SHALE (Q.V.,SHL) quartz vein with fragments of black graphitic shale to 509.5, then Shale dotted to 509.8					
509.8	513.3	ARENITE (AR) as from 492.5-508.5					
513.3	531.0	QUARTZ VEIN, SHALE (Q.V.,SHL), to 516.5: quartz veining with fragments of black graphitic shale and graphitic shale, black, sections from 516.5-517.5: intercalation of greywacke bed, more massive, medium grained, grey. from 517.5-527.0: quartz veining over 9", followed by shale, darke grey, dotted. from 527.0-528.5: quartz vein from 528.5-531.0: shale graphitic, dark grey.	11745 11746 11747 11748	513.30 517.00 522.00 527.00	517.00 522.00 527.00 531.00	3.70 5.00 5.00 4.00	998 0.033 692 0.019 421 0.013 761 0.024
531.0	537.5	ARENITE (AR) typical, with biotite inprint underlining folia-					

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br46

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
		tion (apparent dip:70 degrees), medium grey.						
537.5	539.0:	SHALE (SHL) graphitic, black with a 4" quartz vein. 2-3% Aspy content.	11749	537.50	539.00	1.50	66	0.000
539.0	572.0:	ARENITE (AR) as from 531.0-537.5						
572.0	585.5	SHALE (SHL) graphitic, black, dotted, large macled Aspy crystals and 18" quartz veining. Also narrow ptigmatic qtz. veining	11750	572.00	577.00	5.00	443	0.013
			11751	577.00	582.00	5.00	1443	0.043
			11752	582.00	585.50	3.50	2441	0.069
585.5	600.0	ARENITE (AR) typical as from 531.0-537.5 from 596.0-597.2: quartz vein. Over last 2.8': disseminated Aspy crystals.						
600.0	636.0	SHALE, QUARTZ VEIN (SHL,Q.V.) Shale, dark grey with up to 2% Aspy content over 1 ft. followed by quartz veining with lenses of shale, silty, grey to 607', then quartz veining mixed with lenses of graphitic shale with whitish alteration dots: qtz. veining 85%, graph. shale 15% .Occasional large macled Aspy crystals in graph. shale, approx. 3-4% Aspy content.	11753	600.00	605.00	5.00	151	0.004
			11754	605.00	610.00	5.00	315	0.009
			11755	610.00	615.00	5.00	34	0.000
			11756	615.00	620.00	5.00	333	0.010
			11757	620.00	625.00	5.00	301	0.009
			11758	625.00	630.00	5.00	40	0.000
			11759	630.00	636.00	6.00	20	0.000
636.0	648.5	ARENITE (AR) typical, foliated, medium grey. A quartz vein from 643.0-645.5						
648.5	663.4	QUARTZ VEIN, GRAPH. SHALE (Q.V,SHL) Quartz vein with large lenses of graphitic shale, dotted with appr. 4% Aspy. Sometimes large Aspy crystals. Approx. 30% quartz veining. Contact is nearly subhorizontal.	11760	648.50	652.00	3.50	171	0.005
			11761	652.00	656.00	4.00	73	0.000
			11762	656.00	660.00	4.00	165	0.004
			11763	660.00	663.40	3.40	983	0.031
663.4	696.3	ARENITE (AR) typical, foliated. Apparent dip of fol. 65 degrees.						
696.3	703.5	SHALE, minor GREYWACKE beds (SHL, minor GR),Shale, grey to dark grey, with chlorite alteration dots and a 2" quartz vein to 698.5, some minor beds of greywacke, generally massive, with Aspy crystals from 698.5-700.5 and 702-703'. Several narrow ptigmatic qtz. veins associated with shale, some Py and Aspy.						
703.5	708.6	ARENITE (AR) typical as from 663.4-696.3						
708.6	735.5	SHALE, minor GREYWACKE (SHL, minor GR) Shale dotted, grey, chlorite alteration spots, 2% Aspy content. 1" qtz. vein and also	11764	708.00	712.00	4.00	506	0.013
			11765	712.00	717.00	5.00	186	0.005

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br46

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		narrow ptigmatic qtz. vein. Some minor greywacke beds, generally massive, from 717-719, 721.5-722.5 and 726.0-726.7, biotite rich.	11766	722.50	727.00	4.50	44	0.000
			11767	727.00	732.00	5.00	799	0.019
			11768	732.00	735.50	3.50	940	0.030
735.5	741.0	ARENITE (AR) typical, biotite inprint, foliated, apparent dip: 75 degrees, a few Aspy crystals disseminated.						
741.0	742.5	SHALE (SHL), medium grey, rare dots of chlorite alteration.						
742.5	782.0	ARENITE (AR), typical, siliceous, lighter grey, sub-vertical foliation. from 755.0-756.5: quartz vein with lense Py.						
782.0	783.5	SHALE (SHL) dark grey, contact with arenite @ 40 degrees apparent dip, 1/2" quartz vein, dissem. crystals of Aspy.						
783.5	796.0	ARENITE (AR) typical, good biotite inprint, foliation sub-vertical, medium grey.						
796.0	800.0	GREYWACKE (GR) shaly intercalated bed to 796.8 then medium grained, generally more massive.						
800.0	801.0	SHALE (SHL) grey green with a 2cm ptigmatic quartz vein.						
801.0	804.0	ARENITE (AR) typical, slightly bleached, some thin fissures occasionally.						
804.0	806.2	GREYWACKE (GR), shaly with quartz vein, bedding 28 degrees, to 805.0 then becoming more massive.						
806.2	810.0	SHALE (SHL) medium grey with ptigmatic quartz vein with trace Cpy and Po. Silty layers also present.						
810.0	856.0	ARENITE (AR) typical, biotite inprint, foliated :80 degrees apparent dip, medium grey.						
856.0	865.0	GREYWACKE (GR shly) shaly, crenulated whitish elongated alt. spots, some intercalated beds more massive, gradational to arenite.						
865.0	869.0	ARENITE (AR) typical as from 810-856'.						
869.0	874.5	SHALE (SHL) grey, generally silty, dotted with several 1/2cm ptigmatic quartz veins with trace Po-Cpy.	11769	869.00	874.50	5.50	40	0.000

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br46

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
874.5	890.0	ARENITE (AR) typical, foliated, apparent dip: 80 to 90 degrees						
890.0	892.5	QUARTZ VEIN (Q.V.) with 2 cm grey shale with Aspy at each edge of vein.						
892.5	907.2	ARENITE (AR) typical, biotite inprint, med. grey, foliated: apparent dip 65 degrees, dissem. Aspy crystals. Quartz vein from 901 to 902' 1" shale bed @ 903'						
907.2	917.0	SHALE (SHL) dark grey, elongated whitish dots, 3% Aspy, some Py	11770	907.20	912.00	4.80	933	0.025
			11771	912.00	917.00	5.00	935	0.028
917.0	925.0	ARENITE (AR) typical, apparent dip of foliation: 65 degrees.						
925.0	933.5	SHALE (SHL) black, graphitic, biotite rich locally, approx. 4% Aspy content, mixed with quartz veining (35% quartz veining)	11772	925.00	929.00	4.00	19	0.000
			11773	929.00	933.50	4.50	2440	0.075
933.5	942.3	ARENITE (AR) typical, foliation 45 degrees. Some Aspy crystals disseminated.						
942.3	946.0	SHALE (SHL) dark grey with mm thin ptymatic quartz vein.	11774	942.30	946.00	3.70	93	0.000
946.0	993.0	ARENITE (AR) typical, grey, foliated, Aspy crystals dissemi. sometimes maced.						
993.0	995.0	QUARTZ VEIN (Q.V.) with fragments of shale containing Aspy associated.						
995.0	1002.5	ARENITE (AR) typical, some Aspy crystals disseminated. Quartz vein from 998.5-1000.5 and 1001.0-1001.5.						
1002.5	1011.0	SHALE, QUARTZ VEIN (SHL,Q.V.) shale mixed with quartz veining proportion is 50/50, Aspy content: 3 to 4%.	11775	1002.50	1007.00	4.50	55	0.000
			11776	1007.00	1011.00	4.00	23	0.000
1011.0	1040.0	ARENITE (AR) typical, some Aspy crystals disseminated. Also several narrow, 1 to 2", quartz veins.						
1040.0	1054.2	GREYWACKE (GR) medium to fine grained, generally massive, some narrow dotted shale intercalations.						
1054.2	1063.8	SHALE (SHL) grey, with large elongated alteration dots, some-times whitish, thin ptymatic quartz veining, 2-3% Aspy.	11777	1054.20	1059.00	4.80	54	0.000
			11778	1059.00	1063.80	4.80	2442	0.073

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br46

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
1063.8	1069.0	GREYWACKE (GR) as from 1040.0-1063.8						
1069.0	1107.0	ARENITE (AR) typical, bleached around 1085, more pinkish in colour. From 1095-1096: quartz vein with black shale fragments.						
END OF HOLE: 1107' (check of rods : real depth 1097')								

BR-47





# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-136/02/7677

Date: May 17, 1988

Received 78 Samples of Ore

Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R.J. Dhenne

### \* FREE GOLD

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
BR46 11777	54	11797	838 (.023)
11778	2442 (.073)	BR47 11798	* (.51)
11779	1151 (.037)	11799	>10000 (.59)
BR48 11780	252	11800	719 (.022)
11781	511 (.014)	11801	61
11782	6891 (.25)	11802	1456 (.037)
11783	1343 (.047)	11803	1257 (.039)
11784	>10000 (1.57)	11804	* (.31)
11785	5915 (.18)	11805	101
11786	77	11806	197
11787	500 (.014)	11807	123
11788	3268 (.096)	11808	54
11789	779 (.021)	11809	578 (.016)
11790	940 (.031)	11810	151
11791	1477 (.035)	11811	78
11792	* (2.10)	11812	83
11793	* (2.51)	11813	3119 (.093)
11794	214	11814	1781 (.057)
11795	213	11815	3034 (.084)
11796	494 (.015)	11816	241

ASSAYERS (ONTARIO) LIMITED

Per J. van Engelen

J. van Engelen Mgr.



# ASSAYERS (ONTARIO) LIMITED

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

## Certificate of Analysis

Certificate No. NX-137/01 Date: June 2, 1988  
 Received 91 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

*BR 48*

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
11817	1551 .046	11837	63	11857	1442 .040
11818	696 .023	11838	46	11858	59
11819	* .53	11839	153	11859	97
11820	243	11840	164	11860	231
11821	8215 .24	11841	47	11861	41
11822	107	11842	51	11862	61
11823	211	11843	39	11863	62
11824	33	11844	41	11864	80
11825	55	11845	59	11865	65
11826	64	11846	41	11866	221
11827	99	11847	64	11867	2912 .072
11828	* .15	11848	503 .014	11868	275
11829	* .16	11849	29	11869	415 .013
11830	214	11850	77	11870	419 .013
11831	352	11851	36	11871	1287 .018
11832	56	11852	33	11872	693 .021
11833	68	11853	59	11873	382
11834	32	11854	1456 .042	11874	243
11835	85	11855	922 .028	11875	85
11836	80	11856	791 .022	11876	184

ASSAYERS (ONTARIO) LIMITED

Per \_\_\_\_\_

J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br47

Collar Eastings: 2973.68

Collar Northings: 246.06

Collar Elevation: -3.91

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 1082.00 feet

Logged by: rjd

Date: May 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	14.0	CASING (OB)						
14.0	57.5	ARENITE (AR) typical, dirty grey, foliated, apparent dip 65 to 70 degrees Some small fissures locally between 56.0-67.5						
67.5	77.0	GREYWACKE (GR) generally massive, med. grained, grey but with intercalated shaly beds : contact 55 degrees						
77.0	82.0	ARENITE (AR) typical, as above. Foliation apparent dip: 75 degrees.						
82.0	85.5	QUARTZ VEIN, SHALE (Q.V.,SHL) quartz veining associated with dark grey to black shale.						
85.5	116.0	ARENITE (AR) typical, biotite inprint underlining foliation, medium grey. Apparent dip foliation: 70 degrees.						
116.0	124.5	GREYWACKE (GR), some shaly beds, generally narrow, alternating with more massive, grey beds.						
124.5	176.0	ARENITE (AR) typical, medium grey, biotite inprint, foliated. Apparent dip: 70-75 degrees. @ 141.0': 2" shale grey green with 1mm ptigmatic quartz vein. from 163.0-164.0: quartz vein.						
176.0	182.0	SHALE (SHL) dotted with elongated alteration chlorite dots, some beds are more silty.						
182.0	191.8	ARENITE (AR) typical, as described above, toward end of section apparition of some narrow greywacke type beds.						
191.8	192.0	SHALE (SHL) graphitic, black Contact apparent dip: 45 degrees						
192.0	207.0	Old stopes (BOSTON-RICHARSON BELT)						
207.0	208.0	SHALE (SHL) dotted, graphitic, black with 2-3% Aspy content.						
208.0	448.0	ARENITE (AR) thick unit located below the Boston-Richardson Belt. from 208-227': typical, biotite inprint underlining foliation, several large Aspy crystals.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br47

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
		from 227-237': bleached, some very thin (mm) fissures. Water seams. Foliation sub-vertical.						
		from 237-257': finer grained but same typical arenite.						
		from 257-297': foliation undulating, apparent dip from 45 degrees to sub-vertical.						
		from 297-327': typical						
		327-337': more bleached, grey pinkish in colour, some very narrow fissures						
		337-377': typical, siliceous, undulating foliation from 45 to 80 degrees apparent dip.						
		377-407': locally bleached						
		407-447': biotite inprint well-marked, siliceous.						
		447-448': quartz vein, undulating shale fragments, chlorite.						
448.0	460.0	GREYWACKE, shaly (GR, shly) alternating with more massive beds from 450-451': quartz vein with fragments of dark shale, graph.						
460.0	505.5	ARENITE (AR) typical, well foliated, biotite inprint, med. grey						
505.5	522.0	QUARTZ VEIN, SHALE: BELT (Q.V,SHL,BELT) quartz vein with graphitic shale fragments to 508.5. At 507': dot of VISIBLE GOLD. From 508.5-522': shale dotted, with elongated whitish alteration dots, very silty, indurated, 1-2% Aspy, some larger crystals Aspy also.	11798	505.50	508.50	3.00	10000	0.510
			11799	508.50	513.50	5.00	10000	0.590
			11800	513.50	517.00	3.50	719	0.022
			11801	517.00	522.00	5.00	61	0.000
522.0	532.0	ARENITE (AR) typical as from 460.0-505.0						
532.0	534.0	SHALE (SHL) grey, dotted with ptigmatic quartz vein. 2-3% Aspy content						
534.0	567.0	ARENITE (AR) typical, biotite rich along foliation, grey						
567.0	570.0	GREYWACKE (GR) shaly, some elongated whitish alteration dots, medium grey.						
570.0	591.0	ARENITE (AR) typical, biotite inprint underlining foliation, grey. From 579-581: shale bed, narrow, crenulated alteration, grey several Aspy crystals at contact with arenite.						
591.0	618.0	QUARTZ VEIN, SHALE, BELT (Q.V,SHL, BELT) Quartz veining with lenses of silty shale and graphitic shale remnants to 598' then graphitic shale, dark grey to black, dotted with 3-4% Aspy content, some quartz veining. Dot of VISIBLE GOLD @ 600.5'.	11802	591.00	596.00	5.00	1456	0.037
			11803	596.00	601.00	5.00	1257	0.039
			11804	601.00	603.00	2.00	10000	0.310
			11805	603.00	608.00	5.00	101	0.003

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br47

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		From 602' more silty intercalations appearing within the Shale, some quartz veining.	11806	608.00	613.00	5.00	197	0.005
			11807	613.00	618.00	5.00	123	0.003
618.0	635.0	ARENITE (AR) typical as from 570-591'.						
635.0	651.0	SHALE, QUARTZ VEIN (SHL,Q.V.), with elongated whitish alteration dots, some graphitic layers intercalated but generally very silty.	11808	635.00	640.00	5.00	54	0.000
			11809	640.00	645.00	5.00	578	0.016
651.0	656.5	ARENITE (AR) typical, biotite rich inprint.						
656.5	672.0	SHALE (SHL) fine, grey, with elongated alteration dots, then becoming more silty @ 667', biotite rich, rare alteration spots.	11810	656.50	661.50	5.00	151	0.004
			11811	661.50	667.00	5.50	78	0.000
672.0	697.0	ARENITE (AR) typical, biotite rich inprint, siliceous, grey, a few disseminated Aspy crystals, foliated.						
697.0	702.0	SHALE (SHL) graphitic, dark grey, with quartz veining.	11812	697.00	702.00	5.00	83	0.000
702.0	707.0	GREYWACKE (GR) medium grained, medium grey, biotite rich.						
707.0	713.5	SHALE (SHL), generally silty, some rare graphitic layers intercalated, crenulated, elongated whitish alteration dots.						
713.5	732.0	ARENITE (AR) typical as from 672-697'.						
732.0	734.5	QUARTZ VEIN, SHALE (Q.V.,SHL) quartz vein with dotted grey shale, some Aspy disseminated.						
734.5	740.0	GREYWACKE (GR), massive, med. grained, med. grey.						
740.0	748.0	QUARTZ VEIN, SHALE (Q.V.,SHL) quartz vein mixed with graphitic shale, grey with chlorite alteration dots and approximately 4% Aspy.	11813	740.00	744.00	4.00	3119	0.093
			11814	744.00	748.00	4.00	1781	0.057
748.0	755.0	GREYWACKE, shaly (GR, shly), shale beds with some whitish alteration dots alternating with more massive beds.						
755.0	769.0	SHALE (SHL), very silty, grey greenish, crenulated with elongated whitish alteration dots.						
769.0	777.0	GREYWACKE, shaly (GR, shly), as from 748-755'.						
777.0	785.0	ARENITE (AR) typical, biotite rich inprint, light grey.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br47

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
785.0	791.0	QUARTZ VEIN, SHALE (Q.V.,SHL) ,1" dotted shale, grey, followed by quartz vein with small fragments of black graph. shale, Aspy.	11815	785.00	791.00	6.00	3034	0.084
791.0	803.0	ARENITE (AR) typical as from 777-785'.						
803.0	805.0	QUARTZ VEIN (Q.V) with feldspar and fragments of dotted grey shale with dissem Aspy crystals.						
805.0	867.0	ARENITE (AR) typical Quartz veins from 818.5-820'; 821-822', 843-846.5': generally bull quartz. Some large pseudo porphyroblasts of Aspy.						
867.0	987.0	SHALE (SHL) grey, silty, elongated alteration dots, trace Po and a few Aspy blebs. Barren?						
887.0	972.0	ARENITE (AR) typical, foliated, apparent dip 70 degrees, grey to light grey, occasional narrow 1"to 2" shale beds intercalated. From 944-948: shaly greywacke type bed with two 1" quartz veins Also 1' greywacke bed @ 956'.						
972.0	1019.0	SHALE (SHL), very silty, grey to grey greenish, with several narrow ptigmatic quartz veins, elongated, crenulated alteration dots, some greywacke type beds intercalated also.	11816	1014.00	1018.00	4.00	241	0.007
1019.0	1024.0	ARENITE (AR), typical as from 887-972'.						
1024.0	1026.0	SHALE (SHL) silty, grey green with ptigmatic 2mm qtz. vein Apparent dip at contact: 70 degrees.						
1026.0	1082.0	ARENITE (AR), typical, as above. Some pseudo-porphyroblasts of Aspy.						
END OF HOLE : 1082'.								

BR-48



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-137/02 Date: June 2, 1988  
Received \_\_\_\_\_ 91 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
11877	594 .016	11897	97		
11878	90	11898	241		
11879	956 .022	11899	212		
11880	51	11900	230		
11881	65	11901	171		
11882	278	11902	71		
11883	290	11903	637 .015		
11884	206	11904	180		
11885	70	11905	155		
11886	25	11906	66		
11887	2158 .063	11907	288		
11888	3237 .096				
11889	365				
11890	107				
11891	209				
11892	63				
11893	285				
11894	54				
11895	75				
11896	33				

ASSAYERS (ONTARIO) LIMITED

Per \_\_\_\_\_

J. van Engelen Mgr.

ANALYTICAL CHEMISTS · ASSAYING · CONSULTING · ORE DRESSING · REPRESENTATION





# ASSAYERS (ONTARIO) LIMITED

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

## Certificate of Analysis

Certificate No. NX-137/01

Date: June 2, 1988

Received \_\_\_\_\_ 91 Samples of Drill Core

Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
11817	1551 .046	11837	63	11857	1442 .040
11818	696 .023	11838	46	BR 49 11858	59
11819	* .53	11839	153	11859	97
BR 48 11820	243	11840	164	11860	231
11821	8215 .24	11841	47	11861	41
11822	107	11842	51	11862	61
11823	211	11843	39	11863	62
11824	33	11844	41	11864	80
11825	55	11845	59	11865	65
11826	64	11846	41	11866	221
11827	99	11847	64	11867	2912 .072
11828	* .15	11848	503 .014	11868	275
11829	* .16	11849	29	11869	415 .013
11830	214	11850	77	11870	419 .013
11831	352	11851	36	11871	1287 .018
11832	56	11852	33	11872	693 .021
11833	68	11853	59	11873	382
11834	32	11854	1456 .042	11874	243
11835	85	11855	922 .028	11875	85
11836	80	11856	791 .022	11876	184

ASSAYERS (ONTARIO) LIMITED

Per \_\_\_\_\_

J. van Engelen Mgr.

ANALYTICAL CHEMISTS · ASSAYING · CONSULTING · ORE DRESSING · REPRESENTATION

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br48

Collar Eastings: 1476.00

Collar Northings: 82.00

Collar Elevation: 6.86

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 1087.00 feet

Logged by: rjd

Date: May 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb Au oz/t	
0	24.0	CASING (OB)						
24.0	50.0	ARENITE (AR) typical, broken-up, brownish iron staining on joints, dirty grey, foliated, apparent dip: 65 degrees @ 38.0': 3" quartz vein @ 46.0': 9" quartz vein						
50.0	56.0	Sand seam ? (XXX) open fracture?						
56.0	72.5	ARENITE (AR) typical, slightly bleached, foliated						
72.5	74.0	SHALE (SHL) dotted, grey to dark grey with quartz vein						
74.0	91.0	ARENITE (AR) typical, foliated, biotite inprint, clear grey apparent dip of foliation: 70 degrees.						
91.0	98.0	GREYWACKE (GR) medium to fine grained, grey with intercalations of narrow shaly beds.						
98.0	108.5	ARENITE (AR) typical, bleached and fractured, narrow sections brecciated and recemented : 106-108.5						
108.5	109.8	SHALE (SHL) graphitic, black, with elongated alteration dots.						
109.8	126.0	ARENITE (AR) typical to 126': as from 98-108'.						
126.0	134.5	GREYWACKE (GR), dark grey, medium grained with some fine disseminated Aspy. From 127.5-130': quartz vein with some small fragments of graphitic shale, then back to Greywacke with narrow layers of graphitic shale intercalated, some pyg-matic thin qtz. veining.						
134.5	178.0	SHALE, QUARTZ VEIN, BELT (SHL, Q.V. BELT) : to 143', dark graphitic shale, dotted with elongated whitish spots and 2-3% Aspy disseminated. From 143-150: quartz vein and lenses of graphitic shale, Aspy crystals. @ 150': end of NQ. from 150-166': quartz veining with lenses of graphitic dotted shale mixed, 2-3% Aspy. from 166-178': shale, graphitic, black, alteration dots, with some large Aspy crystals. Bottom of section becoming more silty. Also some quartz vein.	1151	134.50	137.50	3.00	1151	0.037
			11780	137.50	140.50	3.00	252	0.008
			11781	140.50	143.50	3.00	511	0.014
			11782	143.50	146.00	2.50	6891	0.250
			11783	146.00	150.00	4.00	1343	0.047
			11784	150.00	155.00	5.00	10000	1.570
			11785	155.00	160.00	5.00	5915	0.180
			11786	160.00	165.00	5.00	77	0.000
			11787	165.00	170.00	5.00	500	0.014
			11788	170.00	175.00	5.00	3268	0.096

HOLE No: br48

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br48

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
			11789	175.00	178.00	3.00	779	0.021
178.0	182.0	GREYWACKE (GR) dark grey with still some layers of graphitic shale intercalated.						
182.0	188.5	ARENITE (AR) typical, as described above.						
188.5	190.0	QUARTZ VEIN, SHALE (Q.V.,SHL) quartz veining with intercalated dark graphitic shale with some Aspy.						
190.0	225.0	ARENITE (AR) typical, foliated, some large Aspy crystals disseminated. From 200-200.5 and 213.5-214.5: quartz veins Foliation is sub-vertical.						
225.0	233.5	SHALE (SHL) dark grey, silty, dotted becoming graphitic around 227', some quartz veining associated, also thin narrow pygmatic quartz vein, some Aspy.	11790 11791	225.00 229.00	229.00 233.50	4.00 4.50	940 1477	0.031 0.035
233.5	234.3	ARENITE (AR) typical, siliceous, grey, foliated.						
234.3	235.8	QUARTZ VEIN, SHALE, VG (Q.V.,SHL,VG) quartz vein mixed with graphitic shale, a dot of VISIBLE GOLD. Angular.	11792	234.30	235.80	1.50	10000	2.100
235.8	261.8	ARENITE (AR) typical with sub-vertical foliation, biotite rich inprint.						
261.8	264.0	SHALE, QUARTZ VEIN (SHL, Q.V.) quartz veining with at each edge of the vein, dotted shale over 2", some Aspy						
264.0	275.0	ARENITE (AR) typical, as above with a narrow Shale bed from 271-272'.						
275.0	300.2	SHALE, BELT (SHL, BELT) dotted, silty, dark grey over 3" then followed by a 6" quartz vein, several small dots of VISIBLE GOLD @ 276' at the edge of Quartz vein/shale, VG also associated with Aspy crystal. Then back to shale, dotted. grey with occasional silty beds intercalated: 284-285.5, 291-292.	11793 11794 11795 11796 11797	275.00 277.00 282.00 287.00 292.00	277.00 282.00 287.00 292.00 297.00	2.00 5.00 5.00 5.00 5.00	10000 214 213 494 838	2.510 0.006 0.006 0.015 0.023
			11817	297.00	300.20	3.20	1551	0.046
300.2	303.5	ARENITE (AR) with sub-vertical foliation, thin fissures at 303.4, water circulation?, biotite inprint, medium grey.						
303.5	306.0	SHALE, QUARTZ VEIN (SHL, Q.V.) shale with chlorite alteration dots, grey, biotite rich.	11818	303.50	306.00	2.50	696	0.023

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br48

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
306.0	325.7	ARENITE (AR) typical, foliated, with biotite inprint underlining foliation: sub-vertical to 70 degrees, some large Aspy crystals disseminated. From 317-318: quartz vein containing Aspy crystals	11820	317.00	318.00	1.00	243	0.006
325.7	327.0	SHALE (SHL, VG) in a narrow bed, grey, chlorite dotted, with quartz veining containing a dot of VISIBLE GOLD: ANGULAR.	11819	325.70	327.00	1.30	10000	0.530
327.0	382.0	ARENITE (AR) typical, medium grey, as described above with several intercalated beds of Shale: from 340-342: Shale with associated quartz veining. from 353-354: Shale, grey with a 1/2cm ptigmatic quartz vein from 359-360: Shale with elongated chlorite dots, 1" quartz vein.	11821	340.00	342.00	2.00	8215	0.240
382.0	388.0	LAMINATED, BROKEN-UP (XXX) zone within the arenite, lamination is schistose, narrow quartz vein following foliation.						
388.0	437.8	ARENITE (AR) typical, with several intercalated beds of shale: @ 392.0: 2" of medium grey shale with mm thin ptigmatic qtz. veining. from 401-402: shale vaguely dotted, greyish. @ 406.5: 1/2' shale, medium grey, indured. from 409.2-410.0: shale idem, rare chlorite alteration dots, very silty. from 413.5-414.0: shale as above. 417-421: Shale, very silty, with whitish carb. alteration dots Apparent dip angle: 60 degrees. 423.5-425.0: Shale, as above. 430.0-431.5: Quartz vein mixed with shale, grey, dotted and indured. @ 435.0: foliation in arenite: 70-80 degrees.						
437.8	439.3	SHALE (SHL) dotted, grey, with several mm to 5mm thin ptigmatic quartz veins.	11822	437.80	439.30	1.50	107	0.003
439.3	451.0	ARENITE (AR) typical, slightly corroded and bleached from 448.5 to 451.0 From 448-448.5: quartz vein associated with 1" grey shale and thin ptigmatic quartz vein.						
451.0	454.3	SHALE (SHL) graphitic, grey black, with chlorite and also white alteration dots, biotite rich. Two quartz veins 1" and 2" wide.	11823	451.00	454.30	3.30	211	0.006

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br48

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au pps	Au oz/t
		Aspy content: 2 to 3%.						
454.3	458.4	ARENITE (AR) typical, medium grey, biotite inprint, foliated.						
458.4	462.0	SHALE, QUARTZ VEINING (SHL,Q.V.) shale graphitic, grey to dark grey, dotted 2% Aspy content associated with quartz veining. Ratio 50/50.	11824	458.40	462.00	3.60	53	0.000
462.0	484.0	ARENITE (AR) typical, locally bleached grey clear, apparent dip of foliation: 70 degrees.						
484.0	487.5	SHALE (SHL) grey, rare chlorite alteration dots, quartz veining contact with arenite irregular.						
487.5	503.5	GREYWACKE (GR Shly) alternation of greywacke rich in biotite and shale, dotted, grey. Schistose along foliation.						
503.5	515.0	ARENITE (AR) typical, several large Aspy crystals dissem. A narrow 2" grey shale bed intercalated @ 512'.						
515.0	524.0	SHALE (SHL) with elongated chlorite alteration dots, greyish mixed with quartz veining :25% q.v.,75% shale.	11825	515.00	520.00	5.00	55	0.000
			11826	520.00	524.00	4.00	64	0.000
524.0	529.0	ARENITE (AR) typical						
529.0	532.0	GREYWACKE (GR,Shly) shaly, undulating, crenulated, indured, with intercalated veinlet of Py,Po,Cpy?	11827	529.00	532.00	3.00	99	0.002
532.0	622.0	ARENITE (AR) very typical, well foliated 65-70 degrees apparent dip, biotite rich along foliation @ 552.0': 1" grey Shale bed with 1/2 cm quartz vein containing dot of VISIBLE GOLD: ANGULAR. @ 575.5 in a 2mm quartz vein in ARENITE, one speck of VISIBLE GOLD, also ANGULAR 1" quartz vein @ 590 and another @ 599	11828	552.00	552.50	0.50	5000	0.150
			11829	575.20	575.70	0.50	5500	0.160
622.0	633.0	QUARTZ VEIN (Q.V.) with lenses of dotted grey shale, some remnants of black graphitic shale containing 3% Aspy, also some shaly greywacke intercalated between 627 and 633.	11830	622.00	627.00	5.00	214	0.006
			11831	627.00	633.00	6.00	352	0.009
633.0	662.0	ARENITE (AR) typical, undulating foliation, subvertical @ 642' and 45 degrees @ 652.						
662.0	669.5	QUARTZ VEIN, SHALE (Q.V.,SHL) quartz veining followed by	11832	662.00	666.00	4.00	56	0.000

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br48

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		graphitic, dark grey shale, microfaulting in shale, 1cm displacement approx., foliated : 75 degrees.	11833	666.00	669.50	3.50	68	0.000
669.5	703.5	ARENITE (AR) typical, foliated, with biotite inprint, with the following intercalations: 686.5-687.8: shale, dotted, graphitic, dark grey with small qtz vein. 690-692.0: graphitic shale layers mixed with 1" quartz vein, following foliation: 70-75 degrees, a large 2 cm Aspy crystal at contact.						
703.5	706.5	SHALE (SHL) dotted, dark grey with quartz veining	11834	703.50	706.50	3.00	32	0.000
706.5	709.5	ARENITE (AR) typical, foliated						
709.5	712.0	SHALE (SHL) graphitic, dark grey with intercalations of silty greywacke type beds, grey, only trace of sulphides.						
712.0	717.5	GREYWACKE (GR) with some shaly layers, grey, biotite rich.						
717.5	724.8	SHALE (SHL) graphitic, dark grey, with large chlorite alteration dots associated with quartz veining:50/50 ratio, biotite rich, trace sulphides.	11835 11836	717.50 722.00	722.00 724.80	4.50 2.80	85 80	0.000 0.000
724.8	727.8	GREYWACKE (GR) medium grey, massive.						
727.8	733.5	SHALE (SHL) idem above, whitish carb. alteration dots, no visible sulphides	11837	727.80	733.50	5.70	63	0.000
733.5	740.0	ARENITE (AR) typical, biotite inprint underlining foliation 70 degrees to sub-vertical.						
740.0	749.5	SHALE (SHL) containing some graphitic layers, grey to dark grey, elongated whitish alteration dots, undulating, some beds are very silty, greywacke type. with from 747-748.5: quartz vein with blebs of chlorite and also some shale fragments. No visible sulphides.	11838	740.00	745.00	5.00	46	0.000
749.5	760.0	GREYWACKE (GR) generally massive, grey, with narrow shaly beds intercalated.	11839	745.00	749.70	4.70	153	0.004
760.0	778.0	SHALE, BELT (SHL,BELT), at 760', brecciated contact with graphitic shale alternating with more silty layers, whitish elongated alteration dots, some biotite, several narrow i to	11840 11841 11842	760.00 765.00 770.00	765.00 770.00 774.00	5.00 5.00 4.00	164 47 51	0.004 0.000 0.000

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br48

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		2" quartz veins, little sulph., films of Py on joints, 1% Aspy content from 774-778.	11843	774.00	778.00	4.00	39	0.000
778.0	827.2	ARENITE (AR) typical, siliceous, biotite inprint, subvertical foliation with the following intercalations: 783-784.5: up to 1cm graphitic shale layers intercalated 786.9-788.0: quartz vein : bull quartz. 792-793: quartz vein with one large Aspy crystal.						
827.2	830.3	SHALE (SHL), grey, biotite rich, narrow (2-3mm) quartz veining	11844	827.20	830.30	3.10	41	0.000
830.3	833.0	GREYWACKE (GR) grey, biotite rich, massive.						
833.0	855.0	SHALE, BELT (SHL, BELT) dark grey with graphitic layers, locally fractured, brecciated, some elongated alteration whitish dots, with @ 842 one ft. of more silty, greywacke type bed. Associated with quartz veining with chlorite blebs, biotite, fragments of graph. black shale. Ratio 15% q.v., 85% shale.	11845 11846 11847 11848 11849	833.00 837.00 842.00 847.00 851.00	837.00 842.00 847.00 851.00 855.00	4.00 5.00 5.00 4.00 4.00	59 41 64 503 29	0.000 0.000 0.000 0.014 0.000
855.0	912.0	ARENITE (AR) typical, siliceous, medium grey, foliation undulating 65 degrees to subvertical with the following intercalat. 881-884.5: shale, crenulated, undulating, some graphitic layers trace Py, Aspy						
912.0	916.0	SHALE (SHL) graphitic, whitish alt. dots with greywacke massive type beds containing 2-3% Aspy intercalated.	11850	912.00	916.00	4.00	77	0.000
916.0	928.0	QUARTZ VEIN (Q.V.) with chlorite blebs and rare Aspy crystals.	11851 11852 11853	916.00 920.00 924.00	920.00 924.00 928.00	4.00 4.00 4.00	36 33 59	0.000 0.000 0.000
928.0	932.0	SHALE (SHL) graphitic, associated quartz veining, some Aspy.	11854	928.00	932.00	4.00	1456	0.042
932.0	1051.5	ARENITE (AR) typical, some siliceous sections, well marked foliation by biotite inprint, medium grey. Apparent dip angle of foliation: 65 degrees from 1012-1013.5: quartz vein ; bull quartz from 1051-1051.5: quartz vein with 1" grey shale intercalated.						
1051.5	1054.8	GREYWACKE (GR) grey, biotite rich, massive						
1054.8	1057.0	SHALE (SHL) dotted, grey, with pygmatic thin quartz vein, tr. Py.	11855	1054.80	1057.00	2.20	922	0.028

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br48

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
1057.0	1059.0	GREYWACKE (GR) massive, as above.						
1059.0	1064.0	QUARTZ VEIN, SHALE (Q.V.,SHL) 2' quartz vein followed by graphitic shale, dotted, 2-3% Aspy content	11956	1059.00	1064.00	5.00	791	0.022
1064.0	1087.0	ARENITE (AR) typical, one large 2cm Aspy crystal @ 1085, gardational to shaly section @ 1085.						
		END OF HOLE : 1087.0						



BR-49

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br49

Collar Eastings: 1969.00

Collar Northings: 180.00

Collar Elevation: -1.66

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 726.00 feet

Logged by: rjd

Date: May 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	10	CASING (DB)						
10	188	ARENITE (AR) typical, biotite inprint, medium grey, foliated Apparent dip angle of foliation: sub-vertical to 80 degrees. from 10-46: brownish iron staining on joints from 66-76: fractured from 85-87.2: quartz veins: bull quartz. from 87.2 -146.0': arenite siliceous, med. to dark grey foliation: 70 degrees apparent dip angle. 146-166: bleached, weathered, foliation: 60 degrees 166-176: less weathered 176-188: typical, siliceous.						
188	234.5	QUARTZ VEIN, SHALE, BELT (Q.V.,SHL,BELT):graphitic shale, black over 1" followed by quartz vein over 3 ft., then lenses of graphitic shale, black, containing 2-4% Aspy to 198.0' from 198-210: quartz veining, rare fragments graph. shale @ 210': end of NQ 210-222: quartz veining mixed with lenses of black graphitic shale containing up to 4% Aspy: 70% quartz veining; 30% shale. 225-230: shale, black, graphitic, 3 to 4% Aspy content. 230-234.5: idem but intercalated silty layers, less sulphides: 2% Aspy, quartz vein following foliation.	11857 11858 11859 11860 11861 11862 11863 11864 11865 11866 11867 11868	188.00 191.00 194.00 197.00 200.00 203.00 206.00 210.00 215.00 220.00 225.00 230.00	191.00 194.00 197.00 200.00 203.00 206.00 210.00 215.00 220.00 225.00 230.00 234.50	3.00 3.00 3.00 3.00 3.00 3.00 4.00 5.00 5.00 5.00 5.00 4.50	1442 59 97 231 41 61 62 80 65 221 2912 275	0.040 0.000 0.002 0.006 0.000 0.000 0.000 0.000 0.000 0.006 0.072 0.008
234.5	255.5	GREYWACKE (GR): alternation of greywacke beds quite massive, grey, with disseminated pseudo-porphyroblasts of Aspy, and layers of graphitic shale, also quartz veining from 242.5-244 with fragments of graph. shale, black. The layers of shale are thin, a few cm only.						
255.5	309.7	ARENITE (AR) typical, foliated, locally fractured, with the following intercalations: from 262.0-264.5: quartz vein with fragments of grey shale @ 272.0: 2" shale bed, grey. from 276-278: quart vein with 1" dotted shale, grey @ 278.0'. @ 307: 6" dotted grey shale. In the arenite a few crystals of Aspy disseminated, some of these crystals are maclad at end of section.						
309.7	318.5	QUARTZ VEIN, SHALE (Q.V.,SHL)quartz vein with lenses and frag-	11869	309.70	315.00	5.30	415	0.013

HOLE No: br49

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br49

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		ments of graphitic shale dark grey, with alteration chlorite dots containing 3-4% Aspy, also large blebs of chlorite in the quartz vein. Ratio: 60% q.v., 40% shl.	11870	315.00	318.50	3.50	419	0.013
318.5	332.0	GREYWACKE (GR) generally massive, grey, but with some narrow shaly beds intercalated. A few dissem. crystals of Aspy.						
332.0	352.0	SHALE, BELT, (SHL, BELT) shalgrey, with large elongated dots of chlorite, biotite rich, with 3-4% Aspy content. Quartz vein from 345-347 and also 348.5-352.0 with blebs of chlorite and small graphitic shale fragments.	11871 11872 11873 11874	332.00 337.00 342.00 347.00	337.00 342.00 347.00 352.00	5.00 5.00 5.00 5.00	1287 693 383 243	0.018 0.021 0.010 0.007
352.0	377.0	ARENITE (AR) typical, biotite inprint, foliated, medium grey with small Aspy crystals dissem. to 367.0. Quartz vein from 364-365.						
377.0	386.5	GREYWACKE (GR shly): narrow shaly beds, undulating, dotted, alternating with greywacke med. to fine grained, in more massive beds, grey with a few macled crystals of Aspy.						
386.5	402.0	ARENITE (AR) typical, foliated, biotite rich inprint, med. grey. Apparent dip of foliation: 80 degrees to vertical.						
402.0	404.0	QUARTZ VEIN (Q.V.) mixed with graph. shale fragments. 1cm of graph. shale at each edge of vein.	11875	402.00	404.00	2.00	85	0.000
404.0	408.5	GREYWACKE (GR) massive, med. to fine grained, grey.						
408.5	432.5	GREYWACKE (GR shly): alternation of shaly beds, indurated, undulating, with elongated whitish alteration dots and beds of massive greywacke, thicker. Medium grey. Very little sulph.						
432.5	442.5	ARENITE (AR) typical, biotite rich.						
442.5	447.0	SHALE, QUARTZ VEIN (SHL, Q.V.) dotted, graphitic, dark grey with quartz veining mixed, 2-3% Aspy. Approx. 50% q.v. and 50% shale	11876	442.50	447.00	4.50	184	0.005
447.0	491.5	ARENITE (AR) typical, one large pseudo-porphyroblast of Aspy @ approximately 450. Foliation: 60 to 65 degrees app. dip. from 454-456.5: alternation of greywacke shaly and layers of graphitic dotted shale. from 467-467.5 :quartz vein from 475-476.5:quartz vein: bull quartz. @ 482.0: 1/2" graphitic shale layer.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br49

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
491.5	507.8	BELT (BELT:SHL,Q.V.) shale graphitic, dark grey to black, spotted with alteration dots, with Aspy and Py with from 496-507: quartz veining with lenses and fragments of shale as above with 3% Aspy. 507-507.8: shale graphitic with 3% Aspy content	11877	491.50	496.00	4.50	594	0.016
			11878	496.00	501.00	5.00	90	0.000
			11879	501.00	505.00	4.00	956	0.022
			11880	505.00	507.80	2.80	51	0.000
507.8	547.8	ARENITE (AR) typical, biotite inprint, well foliated, medium grey. Apparent dip: 60 degrees. @ 513': 1" grey shale						
547.8	549.0	QUARTZ VEIN (Q.V.) with shale fragments and also some blebs of chlorite.						
549.0	552.5	GREYWACKE (GR shly) with intercalated dotted shale beds, grey.						
552.5	575.8	ARENITE (AR) typical with the following intercalations: from 561.0-562.5: shale, grey, dotted, with thin ptigmatic qtz. vein. from 565-567: shale, dotted, grey with thin ptigmatic quartz veining, in elongated intercalated layers alternating with more silty beds.						
575.8	601.5	BELT, SHALE (BELT:SHL) shale, dotted, with 3-4% Aspy content with a large quartz vein from 577-580. From 592-598: shale more silty with a 1 ft. quartz vein. From 598-599: typical dotted shale, biotite rich, Aspy as above from 599-601.5: quartz veining	11881	575.80	580.00	4.20	65	0.000
			11882	580.00	585.00	5.00	278	0.008
			11883	585.00	590.00	5.00	290	0.008
			11884	590.00	593.00	3.00	206	0.006
			11885	593.00	598.00	5.00	70	0.000
11886	598.00	601.50	3.50	25	0.000			
601.5	607.3	GREYWACKE (GR) generally massive but with some narrow shaly beds, dotted. A 3mm ptigmatic quartz vein.						
607.3	612.0	ARENITE (AR) typical, as described above.						
612.0	625.5	GREYWACKE (GR shly) shaly, elongated whitish dots giving a crenulated aspect to the rock, grey.						
625.5	636.0	SHALE (SHL) with large chlorite alteration dots, grey to dark grey, with 3-4% Aspy content, mixed with quartz veining (25%)	11887	625.50	630.00	4.50	2158	0.063
			11888	630.00	634.00	4.00	3237	0.096
			11889	634.00	636.00	2.00	365	0.010
636.0	643.0	GREYWACKE (GR) medium to fine grained, massive, grey with a few crystals of Aspy disseminated.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br49

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
649.0	647.0	SHALE (SHL) grey, with elongated alteration dots, a few crystals of Aspy disseminated						
647.0	725.0	ARENITE (AR) typical, biotite inprint, well foliated, grey, with Aspy crystals disseminated, some 1 to 2 cm large. from 665-668.5: quartz vein from 672-686: large quartz vein: bull quartz. from 688-689.5: quartz vein with some large crystals Aspy. from 692-694: quartz vein from 695-698: quartz vein.	11890	688.00	689.50	1.50	107	0.003
725.0	726.0	SHALE (SHL) graphitic, with chlorite dots and quartz veining.  END OF HOLE: 726.0'.						

BR-50



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-140/7758 Date: June 14, 1988  
 Received 66 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R.J. Dehenne

BR 50

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
11908	1350 .041	11931	251	11954	7915 .28
11909	3032 .10	11932	261	11955	231
11910	2606 .15	11933	257	11956	633 .017
11911	2839 .086	11934	265	11957	269
11912	615 .022	11935	3196 .093	11958	276
11913	223	11936	253	11959	53
11914	1895 .054	11937	285	11960	227
11915	99	11938	2069 .072	11961	90
11916	261	11939	221	11962	280
11917	76	11940	* .13	11963	750 .023
11918	80	11941	224	11964	1076 .028
11919	36	11942	260	11965	880 .026
11920	231	11943	72	11966	900 .030
11921	237	11944	741 .020	11967	* .64
11922	2061 .070	11945	1281 .039	11968	* .27
11923	275	11946	289	11969	6391 .20
11924	749 .019	11947	967 .025	11970	261
11925	2131 .072	11948	270	11971	* .36
11926	292	11949	213	11972	>10000 .35
11927	201	11950	256	11973	183
11928	227	11951	205		
11929	208	11952	556 .017		
11930	229	11953	216		

ASSAYERS (ONTARIO) LIMITED

Per J. van Engelen Mgr.



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-137/02 Date: June 2, 1988  
 Received \_\_\_\_\_ 91 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
11877	594 .016	11897	97		
11878	90	11898	241		
11879	956 .022	11899	212		
BR49 11880	51	11900	230		
11881	65	11901	171		
11882	278	11902	71		
11883	290	11903	637 .015		
11884	206	11904	180		
11885	70	11905	155		
11886	25	11906	66		
11887	2158 .063	11907	288		
11888	3237 .096				
11889	365				
11890	107				
11891	209				
BR50 11892	63				
11893	285				
11894	54				
11895	75				
11896	33				

ASSAYERS (ONTARIO) LIMITED

Per \_\_\_\_\_

J. van Engelen Mgr.

ANALYTICAL CHEMISTS · ASSAYING · CONSULTING · ORE DRESSING · REPRESENTATION





# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-140/7758 Date: June 14, 1988  
 Received 66 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R.J. Dehenne

BR-50

BR-51

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
11908	1350 .041	11931	251	11954	7915 .28
11909	3032 .10	11932	261	11955	231
11910	2606 .15	11933	257	11956	633 .017
11911	2839 .086	11934	265	11957	269
11912	615 .022	11935	3196 .093	11958	276
11913	223	11936	253	11959	53
11914	1895 .054	11937	285	11960	227
11915	99	11938	2069 .072	11961	90
11916	261	11939	221	11962	280
11917	76	11940	* .13	11963	750 .023
11918	80	11941	224	11964	1076 .028
11919	36	11942	260	11965	880 .026
11920	231	11943	72	11966	900 .030
11921	237	11944	741 .020	11967	* .64
11922	2061 .070	11945	1281 .039	11968	* .27
11923	275	11946	289	11969	6391 .20
11924	749 .019	11947	967 .025	11970	261
11925	2131 .072	11948	270	11971	* .36
11926	292	11949	213	11972	>10000 .35
11927	201	11950	256	11973	183
11928	227	11951	205		
11929	208	11952	556 .017		
11930	229	11953	216		

ASSAYERS (ONTARIO) LIMITED

Per J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br50

Collar Eastings: 1722.00

Collar Northings: 195.00

Collar Elevation: 8.18

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 647.00 feet

Logged by: rjd

Date: May 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	30.0	CASING (CV)						
30.0	176.0	ARENITE (AR), blocky ground to 36', med. grained, gray, foliated. Apparent dip of foliation: 70 degrees. from 36-56: same arenite typical, with biotite rich inprint, well foliated, with some small Aspy crystals disseminated. Locally weathered sections. 66-103: well foliated, several siliceous sections 103-118: blocky ground, same arenite, dissem Aspy crystals One ft. quartz vein 118-126: poor core recovery, sand seam? 126-136: quartz vein: bull quartz with @ 126' 3" shaly grey-wacke with up to 5% Aspy 136-141: arenite typical, foliation near sub-vertical 141-142: quartz vein 142-166: arenite typical, biotite inprint, well foliated @ 166: end of NQ 166-171.5: arenite typical as above. 171.5-176: quartz vein ( bull quartz)	11891	125.00	129.00	3.00	209	0.005
176.0	189.0	GREYWACKE (GR) massive, gray, with numerous small Aspy crystals disseminated to 178.0 178-179.5: quartz vein 179.5-182: greywacke as above with several large Aspy crystals disseminated. 182-186.5: quartz vein 186.5-189.0: greywacke as above.	11892	182.00	186.50	4.50	63	0.000
189.0	240.0	SHALE, QUARTZ VEIN, BELT (SHL,Q.V.,BELT) graphitic shale over 1/2 ft. then quartz vein to 193.0 193-194: graphitic shale, grey black, dotted, containing 2-3% Aspy 194-198: quartz vein 198-207: graphitic shale, as above, mixed with quartz veining, 2-3% Aspy associated with shale 207-240: mixture of quartz veining and shale, graphitic, but also some more silty layers and beds, some large Aspy crystals Smaller Aspy crystals associated with shale.	11893 11894 11895 11896 11897 11898 11899 11900 11901 11902	186.50 192.00 198.00 203.00 207.00 212.00 217.00 222.00 227.00 232.00	192.00 198.00 203.00 207.00 212.00 217.00 222.00 227.00 232.00 237.00	5.50 6.00 5.00 4.00 5.00 5.00 5.00 5.00 5.00 5.00	285 54 75 33 97 241 212 230 171 71	0.008 0.000 0.000 0.000 0.000 0.007 0.005 0.005 0.005 0.000
			11903	237.00	240.00	3.00	637	0.015
240.0	242.0	GREYWACKE (GR) generally massive, grey with lenticular layer of graphitic shale, 1cm wide, intercalated, some large Aspy cryst.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br50

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
242.0	244.5	SHALE (SHL) graphitic, black with quartz vein lense, 2-3% Aspy content	11904	242.00	244.50	2.50	180	0.005
244.5	246.0	GREYWACKE (GR) massive, grey.						
246.0	248.0	QUARTZ VEIN (Q.V.) with black graphitic shale fragments.						
248.0	267.0	ARENITE (AR) typical, biotite inprint, foliated, grey with numerous maced Aspy crystals disseminated. 250.0-262.0: quartz vein with fragments of black graphitic shale, chlorite blebs, 2-3% Aspy in shale.	11905	260.00	262.50	2.50	155	0.004
267.0	279.0	QUARTZ VEIN (Q.V.), mostly bull quartz, but from 273.5-275.5: contains black graphitic shale fragments.	11906	273.50	275.50	2.00	66	0.000
279.0	281.0	GREYWACKE (GR, shly) shaly, with elongated whitish dots and quartz veining.						
281.0	337.0	ARENITE (AR) typical, several large Aspy crystals, some maced foliated: 55 degrees apparent dip, with intercalations of: 293.5-295.0: shale, grey, spotted with chlorite alteration dots with graphitic dark grey layers intercalated mixed with quartz veining, 50/50 ratio. 298.5-300.5: graphitic shale, biotite rich, dotted with Aspy crystals disseminated: 1 to 2%.	11907	298.50	300.50	2.00	288	0.008
337.0	358.5	GREYWACKE (GR Shly) alternation of shaly, undulating beds with elongated alteration whitish dots, indurated and more massive beds medium to fine grained, grey, with biotite. Apparent dip: 75 degrees.						
358.5	365.0	ARENITE (AR) with biotite inprint, typical, grey, foliated Foliation: 70 degrees apparent dip.						
365.0	377.5	SHALE (SHL) grey, alternating with a few narrow more silty beds undulating greywacke type beds, comb-like alteration. Contact between beds @ 70 degrees.						
377.5	400.0	ARENITE (AR) typical, clear grey, with biotite inprint.						
400.0	404.5	SHALE (SHL) graphitic, dark grey, with large Aspy crystals over 2", then quartz veining with shale fragments to 403.0, then back to graphitic shale, with large alteration chlorite dots	11908	400.00	404.50	4.50	1350	0.041

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br50

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		and approx. 1% Aspy.						
404.5	416.0	GREYWACKE (GR), shaly beds with elongated whitish alteration dots, grey alternating with massive, med. to fine grained beds grey in colour.						
416.0	436.5	ARENITE (AR) typical, foliated with a 6" grey shale bed @ 428.5						
436.5	440.0	QUARTZ VEIN (Q.V.) with some large Aspy crystals disseminated and fragments of graphitic shale; last 1" :graphitic shale, dark grey, dotted.	11909	436.50	440.00	3.50	3032	0.100
440.0	442.8	GREYWACKE (GR) grey, massive, with 2% Aspy crystals disseminated	11910	440.00	442.80	2.80	2606	0.150
442.8	449.0	SHALE (SHL) biotite rich, with elongated alteration dots, some chloritic, others white,carb., dissem. Aspy crystals, dark grey	11911	442.80	446.00	3.20	2839	0.086
			11912	446.00	449.00	3.00	615	0.022
449.0	480.0	GREYWACKE (GR) alternation of shaly beds,undulating, alteration elongated, comb-like dots, grey and massive, beds. Occasional shaly layers, graphitic, lenticular. Apparent dip: 75 degrees						
480.0	490.0	ARENITE (AR) typical, biotite inprint, grey with some large Aspy crystals dissem.						
490.0	500.0	SHALE, QUARTZ VEIN (SHL, Q.V.) graphitic, black shale with 2 to 3% Aspy up to 491.5, then quartz vein with large crystals of Aspy with blebs of black graphitic shale to 497, then back into graphitic black shale with 2% Aspy	11913	490.00	495.00	5.00	223	0.006
			11914	495.00	500.00	5.00	1895	0.054
500.0	504.5	ARENITE (AR) typical, as described above.						
504.5	509.5	SHALE, QUARTZ VEIN (SHL,Q.V.) spotted graphitic shale over 1cm, chlorite dots and some Aspy, the quartz veining to 507.5, then back to same shale becoming more silty.	11915	504.50	509.50	5.00	99	0.000
509.5	565.5	ARENITE (AR) starting with a one ft. massive bed, greywacke type, gradational to typical arenite, biotite inprint underlining foliation which is at 65 degrees apparent dip. Also several pseudo-porphyroblasts of Aspy. @ 512, 537: 3" quartz veins 539.5-545.0: quartz vein : bull quartz						
565.5	567.0	SHALE (SHL) graphitic, dark grey						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br50

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb Au oz/t	
567.0	569.0	GREYWACKE (GR), med. to fine grained, grey, massive						
569.0	585.0	SHALE, QUARTZ VEIN (SHL,Q.V.) shale, graphitic, grey black, with chlorite dots, 1-2% Aspy mixed with quartz vein to 577 then more indurated with 1cm pygmatic quartz vein with Po,Py also with chlorite alteration dots and approx. 2% Aspy.	11916	565.50	570.00	4.50	261	0.008
			11917	570.00	575.00	5.00	75	0.000
			11918	575.00	580.00	5.00	80	0.000
			11919	580.00	585.00	5.00	36	0.000
585.0	647.0	ARENITE (AR) typical, medium grey, with biotite inprint, foliated, apparent dip: 60 degrees. Occasional blebs of Po						
		At 647.0: END OF HOLE.						

BR-51



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-140/7758 Date: June 14, 1988  
 Received 66 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R.J. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/t.
11908	1350 .041	11931	251	11954	7915 .28
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11911	2839 .086	11934	265	11957	269
<i>BR50</i> 11912	615 .022	11935	3196 .093	11958	276
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11914	1895 .054	11937	285	11960	227
11915	99	11938	2069 .072	11961	90
11916	261	11939	221	11962	280
11917	76	11940	* .13	11963	750 .023
11918	80	11941	224	11964	1076 .028
11919	36	11942	260	11965	880 .026
11920	231	11943	72	11966	900 .030
11921	237	11944	741 .020	11967	* .64
11922	2061 .070	11945	1281 .039	11968	* .27
<i>BR51</i> 11923	275	11946	289	11969	6391 .20
11924	749 .019	11947	967 .025	11970	261
11925	2131 .072	11948	270	11971	* .36
11926	292	11949	213	11972	>10000 .35
11927	201	<i>BR52</i> 11950	256	11973	183
11928	227	11951	205		
11929	208	11952	556 .017		
11930	229	11953	216		

ASSAYERS (ONTARIO) LIMITED

Per J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br51

Collar Eastings: 1578.00

Collar Northings: 80.00

Collar Elevation: 5.80

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 707.00 feet

Logged by: KAN RJD

Date: May 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	40.0	CASING (OB)						
40.0	90.0	ARENITE (AR) typical but weathered, with brown iron staining on joints, grey brownish in colour to 56.0'. 36-56: same arenite, becoming siliceous, medium grey, some large Aspy crystals intersected, several up to 3" quartz veins also intersected. 66-75: some sections are very siliceous 75-90: same arenite, typical, foliation apparent dip:70 degrees						
90.0	101.0	QUARTZ VEIN (Q.V.) bull quartz with a 9" arenite intercalated @ 98'.						
101.0	175.5	ARENITE (AR) typical, med. grey, foliated, biotite inprint 101-126: fractured, blocky ground 126-136.5: with small Aspy crystals dotting arenite 136.5-158.0: large quartz vein, some large Aspy crystals, also chlorite in blebs 158.0-160.0: typical, crystals of Aspy up to 2cm large @ 160.0: end of ND.	13035 13036 13037 13038 13039 13040 11920 11921	137.00 140.00 143.00 146.00 149.00 151.00 153.00 156.00	140.00 143.00 146.00 149.00 151.00 153.00 156.00 158.00	3.00 3.00 3.00 3.00 2.00 2.00 3.00 2.00	221 249 689 373 446 84 231 237	0.007 0.008 0.019 0.010 0.012 0.002 0.006 0.007
175.5	181.0	SHALE (SHL) graphitic, mixed with quartz veining, some large Aspy crystals.	11922	175.50	181.00	5.50	2061	0.070
181.0	186.9	ARENITE (AR) typical, Aspy crystals disseminated, one narrow quartz vein.						
186.9	212.0	QUARTZ VEIN, SHALE, BELT (Q.V.,SHL, BELT) quartz veining mixed with graphitic shale containing 2-3% Aspy, some silty sections with 3-4% Aspy. Ratio q.v./shale: 50/50. 207-212: shale more silty, some graphitic layers intercalated, contain 2-3% Aspy.	11923 11924 11925 11926 11927	186.90 192.00 197.00 202.00 207.00	192.00 197.00 202.00 207.00 212.00	5.10 5.00 5.00 5.00 5.00	275 749 2131 292 201	0.008 0.019 0.072 0.008 0.006
212.0	242.0	ARENITE (AR) at the beginning of the section Greywacke generally massive gradational to typical Arenite, well foliated, with biotite inprint, several quartz vein intercalated, some large Aspy crystals dissem. from 218-219 and 223-224.5: partly fractured, difficult drilling.						
242.0	253.5	SHALE (SHL) graphitic, spotted with small white alteration dots	11928	242.00	247.50	5.50	227	0.006

HOLE No: br51



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br51

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
253.5	278.5	ARENITE (AR) typical as described above, apparent dip of foliation: 70 degrees.						
278.5	282.5	QUARTZ VEIN, SHALE (Q.V.,SHL) quartz vein containing fragments of graphitic shale over 2.8', then shale, graphitic, black, some Aspy dissem.	11930	278.50	282.50	4.00	229	0.006
282.5	292.0	ARENITE (AR) typical, colour medium to darker grey.						
292.0	309.0	QUARTZ VEIN (Q.V.) contains fragments of graphitic black shale and bordered by 2" graphitic shale at 292' and 309'.	11931	292.00	297.00	5.00	251	0.007
			11932	297.00	302.00	5.00	261	0.007
			11933	302.00	307.00	5.00	257	0.007
			11934	307.00	309.00	2.00	265	0.007
309.0	317.0	ARENITE (AR) typical						
317.0	327.0	SHALE (SHL) grey, spotted, with chlorite alteration dots, also quartz veining, 1-2% Aspy	11935	317.10	322.00	4.90	3196	0.093
			11936	322.00	327.00	5.00	253	0.007
327.0	342.0	SHALE, GREYWACKE (SHL,GR) shale becoming very silty, grey, some intercalated beds of typical greywacke, no visible sulph.						
342.0	352.0	SHALE (SHL) as from 317-327, but badly broken, ptygmatic quartz vein @ 342.0	11937	342.00	347.00	5.00	285	0.008
			11938	347.00	352.00	5.00	2069	0.072
353.0	509.0	ARENITE (AR) typical, medium grey, biotite inprint, foliated, foliation sub-vertical to 75 degrees Large 2cm Aspy crystal @ 391'. from 392-395: intercalation of grey shaly bed from 407-427: several narrow quartz veins, some ptygmatic quartz veining also accompanied by thin shale layers, fractured 447-457: more siliceous, quartzose sections 461-462: grey shale, dotted, ptygmatic thin quartz vein with Cpy and Po. 466.2-467: narrow grey shale bed 469.2-469.6: grey shale bed intercalated. 476-479: shale, grey, spotted with white alt. dots. 489.5 -491.5: grey shale bed with narrow qtz. vein 500.5-504: shale, grey with large white alteration dots and quartz veining.						
509.0	515.5	GREYWACKE (GR) shaly, indurated, grey, undulating, with alteration dots to 512, then more massive, medium grained, med. grey.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br51

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
515.5	521.0	ARENITE (AR) well foliated, biotite rich inprint, medium grey.						
521.0	526.0	SHALE (SHL) indurated, grey, elongated white alteration dots, becoming more graphitic over last ft. No visible sulph.	11939	521.00	526.00	5.00	221	0.006
526.0	529.0	GREYWACKE (GR) massive, grey, gradational to Arenite						
529.0	535.8	ARENITE (AR) typical, with several large Aspy crystals diss.						
535.8	537.0	QUARTZ VEIN, VISIBLE GOLD (Q.V.,V.G.) graphitic shale black over 1" followed by quartz veining, Aspy, Po and a bleb of Cpy, one small dot of VISIBLE GOLD in sulph.	11940	535.80	537.00	1.20	3900	0.130
537.0	542.0	SHALE (SHL) graphitic with large elongated alteration dots, up to 1% Aspy gradational to:	11941	537.00	542.00	5.00	224	0.006
542.0	547.0	GREYWACKE (GR) massive, grey, biotite rich.						
547.0	570.0	ARENITE (AR) typical, well foliated, apparent dip angle 60 to 70 degrees, medium grey. @ 570: 1" of graphitic shale.						
570.0	573.8	GREYWACKE (GR) medium to fine grained, biotite rich, with several large Aspy crystals. From 572-572.5: quartz vein with some chlorite, then greywacke more shaly, dotted.						
573.8	592.0	QUARTZ VEIN, SHALE (Q.V.,SHL): 3" quartz vein then graphitic shale grey black, spotted with chlorite and whitish alteration dots, 2-3% Aspy to 581', the quartz veining with lenses and fragments of black graph. shale, blebs of chlorite, large lens of greywacke at 589'.	11942 11943 11944 11945	572.00 577.00 582.00 587.00	577.00 582.00 587.00 592.00	5.00 5.00 5.00 5.00	260 72 741 1281	0.007 0.000 0.020 0.039
592.0	595.0	GREYWACKE (GR) grey, with large macled Aspy crystal.						
595.0	598.0	QUARTZ VEIN, SHALE (Q.V.,SHL) quartz veining mixed with graph. shale. Ratio: 50/50.						
598.0	678.5	ARENITE (AR) typical, biotite inprint, grey, with numerous crosscutting quartz veins located as follows: 601.0-606.5: quartz vein, fragments arenite; bull quartz 606.5-608.0: quartz veining following foliation over 1/2 core 619-619.5: wedge of graphitic shale, with quartz vein and Aspy crystals.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br51

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		636.5-637.5: quartz vein in arenite. @ 648.3: thin fissures in arenite: water circulation? 648.3-649.0: quartz vein @ 655.5: layer of shale with cm quartz vein 659.8-660.6: quartz vein foliation in arenite: 65-75 degrees.						
678.5	685.0	SHALE (SHL), indurated, grey, with intercalated graphitic layers, black grey, ptygmatic quartz veining.	11946	678.50	681.50	3.00	289	0.008
			11947	681.50	684.50	3.00	967	0.025
685.0	707.0	GREYWACKE (GR) massive, with several large Aspy crystals, grey in colour, to 703', then shaly, with elongated whitish alteration dots.  At 707.0 : END OF HOLE.						

BR-52



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 238-4012

## Certificate of Analysis

Certificate No. NX-141/7789 Date: June 23, 1988  
 Received \_\_\_\_\_ 55 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

Sample No.	Au ppb	oz/ton	Sample No.	Au ppb	oz/ton	Sample No.	Au ppb	oz/ton
12001	906	.024	12021	1673	.045	12042	4213	.13
12002	221		12022	1318	.039	12043	385	
12003	*	.021	12024	375		12044	289	
12004	669	.018	12025	395		12045	294	
BR53 12005	413	.012	12026	3712	.11	12046	187	
12006	*	.090	12027	1024	.033	12047	311	
12007	1044	.036	12028	1630	.045	12048	236	
12008	343		12029	187		12049	629	.017
12009	2175	.072	12030	228		12050	281	
12010	571	.031	12031	915	.030	12051	299	
12011	473	.014	12032	88		12052	378	
12012	395		12033	1681	.053	12053	4406	.14
12013	565	.017	12034	907	.028	12054	1398	.040
12014	2008	.059	12035	642	.017	12055	1126	.034
12015	852	.028	12036	1006	.032			
12016	664	.020	12037	221				
12017	561	.017	12038	88				
12018	902	.027	12039	>10000	.58			
12019	1700	.057	12040	3760	.11			
12020	1750	.051	12041	859	.025			

ASSAYERS (ONTARIO) LIMITED

Per \_\_\_\_\_

J. van Engelen Mgr.



# ASSAYERS (ONTARIO) LIMITED

33 CHANCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

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12001	906	.024	12021	1673	.045	12042	4213	.13
12002	221		12022	1318	.039	12043	385	
12003	*	.021	12024	375		12044	289	
12004	669	.018	12025	395		12045	294	
BR53 12005	413	.012	12026	3712	.11	12046	187	
12006	*	.090	BR54 12027	1024	.033	12047	311	
12007	1044	.036	12028	1630	.045	<del>12048</del>	<del>236</del>	
12008	343		12029	187		12049	629	.017
12009	2175	.072	12030	228		12050	281	
12010	571	.031	12031	915	.030	12051	299	
12011	473	.014	12032	88		12052	378	
12012	395		12033	1681	.053	12053	4406	.14
12013	565	.017	12034	907	.028	12054	1398	.040
12014	2008	.059	12035	642	.017	12055	1126	.034
12015	852	.028	12036	1006	.032			
12016	664	.020	12037	221				
12017	561	.017	12038	88				
12018	902	.027	12039	>10000	.58			
12019	1700	.057	12040	3760	.11			
12020	1750	.051	12041	859	.025			

ASSAYERS (ONTARIO) LIMITED

Per \_\_\_\_\_

J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br52

Collar Eastings: 1731.00

Collar Northings: 52.00

Collar Elevation: 1.77

Collar Inclination: -90.00

Grid Bearings: 360.00

Final Depth: 707.00 feet

Logged by: KAN RJD

Date: May 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
0	31.0	CASING (CB)						
31.0	175.0	ARENITE (AR) typical, medium grey, well foliated, biotite inprint. from 47-53: sand seam? 53-67: more broken-up, weathered, sub-vertical foliation. 67-117: foliation 70 to 80 degrees 117-134: more fractured, blocky 134-137: quartz vein : bull quartz. 153-153.5: quartz vein with several large Aspy crystals. 154-155: quartz vein 157.5-164: quartz vein with lenses of arenite intercalated, several large Aspy crystals. 172-175: quartz vein, lenses of arenite, some Aspy crystals						
175.0	177.0	GREYWACKE (GR) medium grained, massive, greyish						
177.0	180.5	SHALE (SHL) graphitic, dark grey, with quartz veining, some large Aspy crystals dissem.						
180.5	222.0	ARENITE (AR) typical, as above with the following intercalations: 185-187: quartz vein over 1 ft. followed by graphitic shale 194.5-196.5: quartz vein associated with grey shale bed. 197.1-210: quartz vein with large lenses of dotted shale grey and greywacke, some large Aspy crystals dissem. 221-222: over last ft. Arenite gradational to massive Greywac-	11948 11949	197.20 202.00	202.00 206.00	4.80 4.00	270 213	0.008 0.006
222.0	237.0	BELT, SHALE, QUARTZ VEIN (BELT, SHL, Q.V.) black graphitic shale, spotted with white alteration dots, intercalations of more silty beds, Aspy content: 3 to 4%. Mixed with quartz veining. Ratio: 75% shale, 25% q.v.	11950 11951 11952	222.00 227.00 232.00	227.00 232.00 237.00	5.00 5.00 5.00	256 205 556	0.007 0.006 0.017
237.0	257.0	ARENITE (AR) typical with a 3" quartz vein, Aspy crystals, some large, disseminated.						
257.0	264.5	QUARTZ VEIN, SHALE (Q.V., SHL) quartz vein associated with graphitic shale, 3-4% Aspy	11953 11954	257.00 261.00	261.00 264.50	4.00 3.50	216 7915	0.006 0.280
264.5	309.0	ARENITE (AR) typical, with a narrow shale bed associated with a quartz vein from 270.5-272'. Some large Aspy crystals dissem.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br52

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		280-281.5 and 297-298.5: quartz veins: bull quartz						
309.0	317.0	QUARTZ VEIN, SHALE (Q.V.,SHL) quartz veining with shale, silty, grey, some graphitic layers intercalated, 1-3% Aspy	11955	309.00	313.00	4.00	231	0.006
			11956	313.00	317.00	4.00	633	0.017
317.0	358.0	ARENITE (AR) typical, as described above, with the following intercalations: @ 332': 1cm shale layer with quartz						
358.0	368.0	GREYWACKE (GR) Quartz vein followed by shale, silty, greyish to 359.5 then greywacke massive, med. to fine grained, grey with several Aspy crystals near contact.						
368.0	425.5	BELT, SHALE, Q. VEIN (BELT,SHL,Q.V.) Shale, with elongated alteration chlorite dots over 1 ft. followed by a 1.5ft. wide quartz vein, then back to shale 377-387: very silty, indurated intercalation 387-390: graphitic shale with mm thin ptygmatic veins, 2% Aspy content, some layers more silty. 390-407: quartz veining with fragments and lenses of black graphitic shale with up to 2% Aspy 407-425.5: back to shale as from 368-377	11957	368.00	372.00	4.00	269	0.008
			11958	372.00	377.00	5.00	276	0.008
			11959	387.00	392.00	5.00	53	0.000
			11960	392.00	397.00	5.00	227	0.006
			11961	397.00	402.00	5.00	90	0.000
			11962	402.00	407.00	5.00	280	0.008
			11963	407.00	412.00	5.00	750	0.023
			11964	412.00	417.00	5.00	1076	0.028
			11965	417.00	422.00	5.00	880	0.026
			11966	422.00	425.50	3.50	900	0.030
425.5	548.5	ARENITE (AR) typical, medium grey, biotite inprint, foliated Apparent dip of foliation: sub-vertical to 80 degrees, with the following intercalations: 444.0-445.5: grey shale intercalated bed with ptygmatic quartz vein containing 3 dots of VISIBLE GOLD : ANGULAR. @ 478': 1" grey shale bed intercalated 478-482: arenite typical, siliceous 490-491: shaly with ptygmatic quartz veining 1/2cm @ 495: ptygmatic quartz veining with bleb of Cpy @ 515.5: ptygmatic quartz veining @ 525': 6" grey shale with quartz vein, trace Py @ 543': narrow shale bed Apparent dip: 52 degrees	11967	444.00	445.50	1.50	10000	0.640
48.5	552.0	SHALE (SHL) grey, dotted, some narrow qtz. veining, trace Cpy no other visible sulph. N.B. larger shale bed in arenite.						
552.0	634.0	ARENITE (AR) typical, foliated as above with the following intercalations: 563-563.2: shale with mm thin ptygmatic quartz vein, 1" quartz vein, trace Cpy.	11968	590.50	591.00	0.50	9000	0.270



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br52

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
		571-572: quartz vein and grey shale @ 579': 1/2" ptymatic quartz vein with Py, Cpy 582-585.5: Shale, or shaly greywacke, with elongated whitish alteration dots, indurated, grey @ 590.5: 2" quartz vein with associated shale, one dot VISIBLE GOLD: ANGULAR						
634.0	639.5	SHALE (SHL) Shale, dotted, indurated, several very thin ptymatic quartz veins, trace Py, Cpy.	11969	634.00	639.50	5.50	6391	0.200
639.5	669.0	ARENITE (AR) typical, as above, foliated with: @ 652': veinlet of Po-Aspy in fractured zone in arenite  @ 655: shaly narrow bed with quartz vein						
669.0	688.0	BELT, SHALE, QUARTZ VEIN (BELT,SHL,Q.V.) quartz vein containing fragments of black shale to 679, then mostly shale become increasingly silty specially toward end of section. Some Aspy A dot of VISIBLE GOLD @ 676'.	11970 11971 11972 11973	669.00 674.00 679.00 684.00	674.00 679.00 684.00 688.00	5.00 5.00 5.00 4.00	261 10000 10000 183	0.007 0.360 0.350 0.005
688.0	707.0	ARENITE (AR) typical, siliceous, as above.  END OF HOLE @ 707.0						

BR-53

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br53

Collar Eastings: 1483.00

Collar Northings: 0.00

Collar Elevation: 7.93

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 307.00 feet

Logged by: RJD KAN

Date: June 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	28.0	CASING (CB)						
28.0	278.5	ARENITE (AR) weathered, red brown iron staining on joints, sub-vertical foliation, clear grey to 44'. 44-59': Idem, medium grey, siliceous, biotite inprint, foliated 59-65': Idem, with disseminated Aspy crystals, some macled, clear grey. 65-73': quartz vein with lenses of grey arenite: bull quartz 73-110': arenite, typical, siliceous, apparent angle foliation: 65 degrees. 110-112': arenite brecciated, weathered, grey. 112-127': arenite, typical, siliceous, end of NQ: 126. 127-137': arenite idem, 70 degrees app. dip of foliation. 137-145': weathered, partly brecciated, bleached, grey pinkish. 148-153': very blocky ground 171-173': arenite, fractured, weathered, bleached, grey pinkish 173-187': arenite, typical 187-197': fractured, some sections brecciated, recemented by carbonate. 197-233': arenite typical, siliceous, medium grey, biotite inprint, foliated. 233-236': bleached, pinkish in colour, brecciated, recemented 236-254.5: arenite typical. 254.5-261': quartz vein: bull quartz 261-278.5': arenite typical.						
278.5	289.5	GREYWACKE (GR): alternation of shaly greywacke and massive greywacke beds as listed below: 278.5-283.5: greywacke shaly, dark grey, silty thin beds alternating with shaly layers, good layering; apparent dip: 60 degrees 283.5-286.3: greywacke, medium to fine grained, massive, medium grey. 286.3-288: greywacke, shaly as from 278.5-283.5 288-289.5: greywacke, massive as from 288-289.5						
289.5	292.0	SHALE (SHL) graphitic, biotite rich, spotted with elongated chlorite dots, also whitish carb. dots, no visible sulph.						
292.0	295.5	GREYWACKE (GR) generally massive, grey, with some narrow intercalated layers of shale						
295.5	334.0	ARENITE (AR) typical, medium grey, biotite inprint, foliated						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br53

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		and siliceous with the following intercalation: 300.5-302.0: shale, grey, with 1 1/2" quartz vein						
334.0	341.0	SHALE (SHL) graphitic, biotite rich, ptygmatic thin 2mm quartz vein, intercalated more silty layers, trace Aspy.	12001	334.00	338.00	4.00	906	0.024
			12002	338.00	341.00	3.00	221	0.006
341.0	378.5	ARENITE (AR) typical as from 295.5-334.0, foliation sub-vertical. With the following intercalations: 365-366: 1" quartz vein followed by black graphitic shale 372-372.5: graphitic shale with ptygmatic quartz vein @ 373: 2" graphitic dark grey shale bed						
378.5	417.0	SHALE, QUARTZ VEINS, BELT (SHL, Q.V., BELT): shale graphitic, dark grey with quartz vein, 2-3% Aspy content. A small dot of VISIBLE GOLD in quartz vein @ 383'. from 383-417: 80% shale, biotite rich, graphitic, spotted with chlorite and whitealteration dots, 2-3% Aspy content and 20% of quartz veining mixed. Silty layers or narrow beds intercalated from 402-407, layering apparent dip: 55 degrees from 407-417: 3% Aspy content, some Py coating on joints A speck of VISIBLE GOLD within an Aspy crystal @ 393.	12003	378.50	383.00	4.50	660	0.021
			12004	383.00	387.00	4.00	669	0.018
			12005	387.00	392.00	5.00	413	0.012
			12006	392.00	397.00	5.00	3000	0.090
			12007	397.00	402.00	5.00	1044	0.036
			12008	402.00	407.00	5.00	343	0.010
			12009	407.00	412.00	5.00	2175	0.072
			12010	412.00	417.00	5.00	571	0.031
417.0	475.0	ARENITE (AR) typical, medium grey, biotite inprint underlining foliation : apparent dip 75 degrees with the following intercalated beds: 422-424.5: shale with some graphitic layers and quartz veining, grey 436-437: shale, graphitic, dark grey with quartz veining and 1 to 2% Aspy. 446.5-448.5: shale, silty, grey, slightly graphitic, with quartz veining. 461-464: shale, grey, quartz veining, some graphitic layering Apparent dip: 55 degrees 467.3-470: shale, graphitic, grey, layered with intercalations of ptygmatic quartz veining containing some blebs of Py and Cpy Apparent dip: 58 degrees	12011	467.30	470.00	2.70	473	0.014
475.0	490.0	GREYWACKE, SHALE (GR, SHL) Alternation of shale and greywacke foliated beds, as follows: 475-476.5: shale, layered, grey with 1/2cm ptygmatic quartz vein. 476.5-479: greywacke type bed, grey, massive. 479-480.5: shale, grey, dotted with 2cm ptygmatic quartz vein trace Py, Aspy.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br53

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
		480.5-482.0: greywacke, massive, foliated, grey 482.0-482.5: shale, as above. 482.5-483.5: greywacke, massive, grey 483.5-485.5: shale, grey, quartz veining. Also mm thin ptyg- matic quartz vein, trace Py, Aspy. 475.5-487: greywacke, massive, greyish 487-490: shale with intercalated silty layers, quartz veining associated.						
490.0	511.5	GREYWACKE (GR) massive, locally foliated, grey, biotite rich content. Some thin fissures: water circulation? at end of sec- tion. @ 506': 1" shale bed with qtz. veining ans some Aspy crystals 511-511.5: shale grey, dotted with qtz. veining.						
511.5	533.0	ARENITE (AR) typical, with biotite inprint underlining folia- tion, medium grey with the following intercalations: @ 521.5: 2" grey shale with thin ptygmatic quartz vein. @ 526.5: 1" quartz vein with chlorite blebs. 529-529.7: grey shale, dotted, with thin 2mm ptygmatic qtz. vein. @ 530.5: narrow cm wide sections of arenite brecciated and recemented by carbonate.						
533.0	545.0	GREYWACKE (GR) alternation of shaly greywacke and massive greywacke beds, sometimes foliated as follows: 533-536: shaly greywacke beds 536-538.5: massive, foliated greywacke, grey 538.5-542: shaly greywacke beds 542-545: massive greywacke						
545.0	555.0	SHALE (SHL) graphitic, spotted with elongated chlorite dots, mixed with quartz veining: 50/50 ratio, blebs of chlorite and small black graphitic shale fragments in the qtz. veining	12012 12013	545.00 550.00	550.00 555.00	5.00 5.00	395 565	0.011 0.017
555.0	589.7	ARENITE (AR) typical, medium grey, foliated : sub-vertical with some sections factured and bleached, also shale intercal. 560-560.8: shale, grey, ptygmatic quartz veining Apparent dip: 65 to 70 degrees. 560.8-563: brecciated arenite, bleached, pinkish in colour, re- cemented by carbonate. 573.5-577.0: shale, grey, elongated whitish alteration dots, also quartz veining. @ 587.5: intercalated layers of graphitic shale with ptygmatic						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br53

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		quartz vein over 1-2"						
589.7	597.5	SHALE, QUARTZ VEIN, BELT (SHL, Q.V., BELT) graphitic shale, dark grey over a ft., layers silty, greywacke type, chlorite dots, 2-3% Aspy followed by quartz veining to 597.3 with fragments and small lenses of graphitic shale and chlorite. From 597.3 to 597.5: graphitic shale as above.	12014 12015	589.70 594.00	594.00 597.50	4.30 3.50	2008 852	0.059 0.028
597.5	603.5	ARENITE (AR) typical, foliated, biotite rich imprint, grey, with narrow grey shale bed with ptigmatic qtz. vein from 603-603.5.						
603.5	609.5	GREYWACKE (GR) shaly, grey, alternating with more massive beds, ptigmatic quartz vein @ 607.5						
609.5	624.5	ARENITE (AR) typical, sub-vertical foliation, locally bleached more pinkish in colour. Quartz vein from 624-624.5						
624.0	637.0	GREYWACKE (GR) massive, medium to fine grained, grey to darkish grey to 632' followed by shaly greywacke spotted with elongated whitish dots.						
637.0	671.0	ARENITE (AR) typical, well foliated :apparent dip 80 degrees to sub-vertical generally siliceous with the following intercalations : @ 639.3: shale, graphitic, dark grey, brecciated 652-653.8: 1" grey shale with quartz vein following foliation 665.5-667: quartz vein and shale, silty, with graphitic layers						
671.0	677.0	SHALE (SHL) indurated, grey , spotted with chlorite alteration dots, some narrow quartz veining.						
677.0	690.0	GREYWACKE (GR) : alternation of shaly greywacke, grey beds and more massive, greywacke beds.						
690.0	695.0	ARENITE (AR) typical, well foliated						
695.0	698.5	GREYWACKE (GR) shaly, silty with some graphitic intercalated layers						
698.5	716.0	SHALE, BELT (SHL, BELT) Quartz vein over 1", brecciated at contact followed by graphitic, dark grey shale, with large whitish alteration dots. From 707 onward spotted by chlorite dots and some intercalated quartz veining, approximately 1% Aspy content	12016 12017 12018	698.50 702.00 707.00	702.00 707.00 712.00	3.50 5.00 5.00	664 561 902	0.020 0.017 0.027

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br53

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		At 712, becoming very silty gradational toward graywacke						
715.0	735.2	GREYWACKE (GR) generally massive, grey with some shaly intersec- tions						
736.2	751.0	SHALE, BELT (SHL, BELT) Shale, graphitic, dark grey with some intercalated silty layers, an intercalated 1 ft. qtz. vein, then back to graphitic shale, with some large maced Aspy cryst. mixed with quartz veining. Aspy content: 2-3%. Becoming more silty from 745' onward.	12019	736.20	741.00	4.80	1700	0.057
			12020	741.00	745.00	4.00	1750	0.051
			12021	745.00	749.00	4.00	1573	0.045
			12022	749.00	751.00	2.00	1318	0.039
751.0	783.0	ARENITE (AR) typical, siliceous, foliated :70 to 80 degrees apparent dip. @ 750': 2" bed of shale with a narrow qtz. vein. 768.5-769.1: quartz vein 780-781': quartz vein						
783.0	795.5	SHALE, GREYWACKE (SHL, GR, altern.) from 783-784: shale, gra- phitic, dark grey followed by greywacke, massive, dark grey with some Aspy crystals to 786. 786-790: graphitic shale, dark grey, 1 to 2% Aspy content 790-792: greywacke, massive, grey. 792-795.5: graphitic shale, dark grey, with up to 2% Aspy	12024	786.00	790.00	4.00	375	0.010
			12025	792.00	795.50	3.50	395	0.011
795.5	803.0	ARENITE (AR) typical, as above.						
803.0	804.0	SHALE (SHL) graphitic, dark grey, spotted with chlorite alteration dots, silty layers.						
804.0	807.0	GREYWACKE (GR) fine grained, shaly, grey  END OF HOLE: 807.0'						

BR-54



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORD

HOLE No.: br54

Collar Eastings: 1332.02

Collar Northings: 65.61

Collar Elevation: 15.14

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 747.00 feet

Logged by: RJD KAN

Date: June 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
0	16.0	CASING (CB) Coordinates in metric: 400E-19.5N						
16.0	136.0	ARENITE (AR) blocky ground to 38', then typical, medium grey with biotite inprint underlining foliation: apparent dip 65 degrees, several Aspy crystals, also blebs of Po. from 67-69: arenite is brecciated, recemented, bleached and pinkish from 81-83: also brecciated, recemented from 83-96: typical but partially bleached grey pinkish with some large Aspy crystals dissem. from 108-115: bleached with large Po blebs @ 114.5						
136.0	169.0	GREYWACKE, SHALE (GR,SHL, altern) Alternation of shale, graphitic and beds of massive greywacke, as follows: 136-136.6: Quartz vein and dark grey graphitic shale 136.6-140: Greywacke medium to fine grained, grey, massive 140-144: Shale, graphitic, black with quartz veining, Aspy and Py disseminated. 144-149.5: Greywacke, shaly, dark grey, silty, some alteration dots and some intercalated layers of graphitic shale. 149.5- 152.5: Shale, graphitic as above with quartz veining. Apparent dip: 65 degrees 152.5-155: greywacke, grey, massive bed. 155-157.2: Shale, graphitic with 1" quartz vein 157.2-167: Greywacke generally massive, some narrow graphitic shale layers occasionally intercalated. 167-169: quartz vein	12025 12027 12028 12029	140.00 149.50 155.00 166.80	144.00 152.50 157.20 169.00	4.00 3.00 2.20 2.20	3712 1024 1630 187	0.110 0.033 0.045 0.005
169.0	204.0	ARENITE (AR) typical, medium grey, well foliated, apparent dip of foliation: 75 degrees, some large Aspy crystals dissem. from 194-195.2: quartz vein: bull quartz.						
204.0	216.5	SHALE, QUARTZ VEINING (SHL,Q.V.) shale graphitic, black mixed with quartz veining; ratio 50/50. Some Aspy :1%	12030 12031 12032	204.00 208.00 212.00	208.00 212.00 216.50	4.00 4.00 4.50	228 915 88	0.006 0.030 0.000
216.5	248.5	ARENITE (AR) typical, sub-vertical foliation, biotite inprint, medium grey with the following intersections: 242-244: quartz vein with a large 2cm Aspy crystal at edge						
248.5	254.8	GREYWACKE (GR) with some intercalated layers of graphitic shale and 1 cm quartz vein @ 251						

HOLE No: br54

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br54

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		From 248.5-249.5: quartz vein with some fragments of graywacke						
254.6	272.0	BELT, SHALE, QUARTZ VEINING (BELT,SHL,Q.V.) quartz vein with lenses of graphitic shale with 2-3% Aspy, then in black to dark grey graphitic shale with from 267.2 more silty layers intercalated. Apparent dip: 45 degrees	12033	254.80	260.00	5.20	1691	0.053
			12034	260.00	264.00	4.00	907	0.028
			12035	264.00	268.00	4.00	542	0.017
			12036	268.00	272.00	4.00	1006	0.032
272.0	346.5	ARENITE (AR) typical, foliated with the following intercalations: @ 274: 2" black graphitic shale: app. dip 45 degrees. Also one large Aspy crystal 280-280.9: quartz vein 284-285: shale, silty, with graphitic layers intercalated, some Aspy crystals disseminated. 285-285.5: quartz vein 293-295: quartz vein and grey shale 296-297: shale, graphitic, dark grey, fractured. 298.6-298.8: grey shale apparent dip: 50 degrees 301-302: shale with associated quartz vein from 302-325.5: foliation apparent dip 60 degrees in typical arenite 318-318.5: quartz vein and shale, grey 322-322.5: quartz vein 325.5-326.0: shale and associated quartz vein @ 331: graphitic dark grey shale, brecciated over 2" 333.5-338: Shale, indurated, grey with elongated whitish alteration dots, also associated quartz veining.						
346.5	349.5	GREYWACKE (GR) shaly, with ptigmatic quartz veining.						
349.5	356.3	ARENITE (AR) typical, medium grey, biotite inprint, foliated						
356.3	360.0	SHALE (SHL) graphitic, black, some quartz veining; up to 3% Aspy content	12037	356.30	360.00	3.70	221	0.006
360.0	368.5	ARENITE (AR) typical, with the following intercalations: 362-363.5: quartz vein, barren 363.5-366: greywacke, generally massive, but with some intercalated layers of graphitic shale, dark grey.						
368.5	371.0	QUARTZ VEIN, GREYWACKE (Q.V.,GR) quartz vein with Py to 396.6, followed by med. to fine grained greywacke, massive.	12038	368.00	369.60	1.60	88	0.000

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br54

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS	
						WIDTH	Au ppb Au oz/t
371.0	373.0	SHALE (SHL) grey, partly graphitic.					
373.0	374.0	GREYWACKE (GR) massive					
374.0	391.0	ARENITE (AR) typical, clear grey, with biotite inprint, foliated, apparent dip 75 degrees					
391.0	395.0	SHALE (SHL) indurated, grey with intercalated quartz veining containing graphitic shale fragments					
395.0	445.0	GREYWACKE (GR) fine grained, finely layered, biotite rich, apparent dip 50 degrees to 410' 410-412: grey shale layers intercalated, micro-faulting, then back to greywacke as above.					
445.0	458.0	SHALE, BELT (SHL.,BELT) generally silty but graphitic layers intercalated, also quartz veining with felspar, large Aspy crystals @ 456'; Aspy content 1-2%.	12039	445.00	450.50	5.50	10000 0.580
458.0	487.2	ARENITE (AR) typical, medium grey, with biotite inprint, foliated, apparent dip: 65 degrees @ 485.8 a narrow quartz vein with 1" dotted shale, grey containing approximately 3% Aspy.					
487.2	499.0	SHALE, BELT (SHL.,BELT) black graphitic shale with several narrow quartz veins, Aspy content approx. 5%, some Aspy crystals are large. 496-497.5: more silty, greywacke type bed intercalated.	12040 12041 12042	487.20 492.00 496.00	492.00 496.00 499.00	4.80 4.00 3.00	3760 0.110 859 0.025 4213 0.130
499.0	505.0	GREYWACKE (GR) silty with several narrow graphitic black shale beds intercalated with dissem. Aspy					
505.0	545.0	ARENITE (AR) quite typical, but partly bleached, clear grey, undulating foliation : 50 degrees to sub-vertical					
545.0	549.5	QUARTZ VEIN (Q.V.) with layers of silty graphitic shale with trace Aspy					
549.5	578.0	GREYWACKE (GR) medium grained, generally massive with from 554.5-557.5: graphitic shale associated with quartz veining. 560.5-562.0: graphitic shale with a 2cm quartz vein 563-564: graphitic shale bed. 569-569.5: narrow graphitic shale bed					

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br54

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
578.0	584.5	QUARTZ VEIN (Q.V.) with one large intercalation of shaly grey-wacke containing layers of black graphitic shale from 580.0-581.5						
584.5	591.5	GREYWACKE (GR) graywacke, generally massive, med. to fine grained grey with quartz vein at end of section from 590-591.5						
591.5	627.5	ARENITE (AR) typical, occasional layers of graphitic shale intercalated, also associated with fractured zones, recemented by carbonate, some large Aspy crystals. From 598.5 to 603: quartz vein with graphitic shale fragments, approx. 1% Aspy From 618.5 to 621: quartz and graphitic shale in fractured zone	12043	598.50	603.00	4.50	385	0.010
627.5	638.5	SHALE, BELT (SHL, BELT) graphitic shale, black with quartz vein associated. Only trace sulph.	12044	627.20	632.00	4.80	289	0.008
			12045	632.00	635.00	3.00	294	0.009
			12046	635.00	638.50	3.50	187	0.005
638.5	676.5	ARENITE (AR) typical biotite rich inprint, foliated: 80 degrees apparent dip, medium grey to clear grey in bleached zones. Also some fine open fissures over narrow width, associated with more bleached zones between 656-676.5						
676.5	680.0	QUARTZ VEIN (Q.V.) with some chlorite blebs and some black graphitic shale fragments disseminated, also 1 to 2% Aspy.	12047	676.50	680.00	3.50	311	0.009
680.0	747.0	ARENITE (AR) typical, siliceous, foliated : 55 degrees apparent dip with: from 680-690: some large Aspy crystals, up to 2cm, dissem. from 690-700.5: quartz vein, bull quartz. Several large Aspy crystals.						
		END OF HOLE : 747.0'						

BR 55



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-142/02/7840 Date: July 6, 1988  
Received 98 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

Sample No.	Au ppb	oz/ton	Sample No.	Au ppb	oz/ton
12116	3255	.091	12136	1771	.056
12117	900	.025	12137	1962	.060
12118	706	.021	12138	70	
12119	1583	.045	12139	82	
12120	1638	.047	12140	850	.027
12121	1521	.041	12141	903	.027
12122	965	.030	12142	211	
12123	190		12143	161	
12124	173		12144	70	
12125	188		12145	1375	.045
12126	83		12146	720	.020
12127	1346	.039	12147	1520	.045
12128	3571	.11	12148	836	.025
12129	245		12149	63	
12130	699	.022	12150	42	
12131	638	.018	12151	201	
12132	214		12152	1657	.051
12133	7111	.22	12153	233	
12134	5720	.14			
12135	1157	.039			

BR 55-

ASSAYERS (ONTARIO) LIMITED

Per 

J. van Engelen Mgr.



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

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Certificate No. NX-142/01/7840 Date: July 6, 1988  
 Received 98 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

Sample No.	Au ppb	oz/ton	Sample No.	Au ppb	oz/ton	Sample No.	Au ppb	oz/ton
12056	1990	.054	12076	563	.015	12096	495	.015
12057	7575	.20	12077	599	.015	12097	215	
12058	476	.016	12078	284		12098	218	
12059	923	.029	12079	231		12099	1308	.033
12060	3699	.11	12080	273		12100	199	
12061	696	.020	12081	99		12101	164	
12062	588	.019	12082	499	.014	12102	192	
12063	889	.026	12083	*	.16	12103	224	
12064	>10000	1.22	12084	1204	.037	12104	241	
12065	>10000	.38	12085	1836	.057	12105	215	
12066	5015	.14	12086	584	.018	12106	193	
12067	2821	.081	12087	*	.12	12107	231	
12068	1274	.041	12088	158		12108	211	
12069	1501	.041	12089	189		12109	186	
12060	223		12090	151		12110	200	
12071	276		12091	66		12111	40	
12072	1155	.038	12092	35		12112	34	
12073	285		12093	24		12113	63	
12074	87		12094	71		12114	8050	.25
12075	76		12095	159		12115	490	.014

ASSAYERS (ONTARIO) LIMITED

Per   
 J. van engelen Mgr.



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FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-141/7789 Date: June 23, 1988  
 Received \_\_\_\_\_ 55 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

BR53

BR54

BR55

Sample No.	Au ppb	oz/ton	Sample No.	Au ppb	oz/ton	Sample No.	Au ppb	oz/ton
12001	906	.024	12021	1673	.045	12042	4213	.13
12002	221		12022	1318	.039	12043	385	
12003	*	.021	12024	375		12044	289	
12004	669	.018	12025	395		12045	294	
12005	413	.012	12026	3712	.11	12046	187	
12006	*	.090	12027	1024	.033	12047	311	
12007	1044	.036	12028	1630	.045	12048	236	
12008	343		12029	187		12049	629	.017
12009	2175	.072	12030	228		12050	281	
12010	571	.031	12031	915	.030	12051	299	
12011	473	.014	12032	88		12052	378	
12012	395		12033	1681	.053	12053	4406	.14
12013	565	.017	12034	907	.028	12054	1398	.040
12014	2008	.059	12035	642	.017	12055	1126	.034
12015	852	.028	12036	1006	.032			
12016	664	.020	12037	221				
12017	561	.017	12038	88				
12018	902	.027	12039	>10000	.58			
12019	1700	.057	12040	3760	.11			
12020	1750	.051	12041	859	.025			

ASSAYERS (ONTARIO) LIMITED

Per \_\_\_\_\_  
 J. van Engelen Mgr.





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## Certificate of Analysis

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 Received \_\_\_\_\_ 98 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

AP 56

AP 55

Sample No.	Au ppb	oz/ton	Sample No.	Au ppb	oz/ton	Sample No.	Au ppb	oz/ton
12056	1990	.054	12076	563	.015	12096	495	.015
12057	7575	.20	12077	599	.015	12097	215	
12058	476	.016	12078	284		12098	218	
12059	923	.029	12079	231		12099	1308	.033
12060	3699	.11	12080	273		12100	199	
12061	696	.020	12081	99		12101	164	
12062	588	.019	12082	499	.014	12102	192	
12063	889	.026	12083	*	.16	12103	224	
12064	>10000	1.22	12084	1204	.037	12104	241	
12065	>10000	.38	12085	1836	.057	12105	215	
12066	5015	.14	12086	584	.018	12106	193	
12067	2821	.081	12087	*	.12	12107	231	
12068	1274	.041	12088	158		12108	211	
12069	1501	.041	12089	189		12109	186	
12060	223		12090	151		12110	200	
12071	276		12091	66		12111	40	
12072	1155	.038	12092	35		12112	34	
12073	285		12093	24		12113	63	
12074	87		12094	71		12114	8050	.25
12075	76		12095	159		12115	490	.014

ASSAYERS (ONTARIO) LIMITED

Per \_\_\_\_\_  
J. van engelen Mgr.



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## Certificate of Analysis

Certificate No. NX-142/02/7840 Date: July 6, 1988  
 Received \_\_\_\_\_ 98 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

BR 55

BR 57

Sample No.	Au ppb	oz/ton	Sample No.	Au ppb	oz/ton
12116	3255	.091	12136	1771	.056
12117	900	.025	12137	1962	.060
12118	706	.021	12138	70	
12119	1583	.045	12139	82	
12120	1638	.047	12140	850	.027
12121	1521	.041	12141	903	.027
12122	965	.030	12142	211	
12123	190		12143	161	
12124	173		12144	70	
12125	188		12145	1375	.045
12126	83		12146	720	.020
12127	1346	.039	12147	1520	.045
12128	3571	.11	12148	836	.025
12129	245		12149	63	
12130	699	.022	12150	42	
12131	638	.018	12151	201	
12132	214		12152	1657	.051
12133	7111	.22	12153	233	
12134	5720	.14			
12135	1157	.039			

ASSAYERS (ONTARIO) LIMITED

Per \_\_\_\_\_

J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br55

Collar Eastings: 1586.00

Collar Northings: 148.00

Collar Elevation: 3.29

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 900.00 feet

Logged by: RJD KAN

Date: June 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
0	26.0	CASING (QB)						
26.0	29.0	ARENITE (AR) typical, grey, med. grained, foliated, apparent dip of foliation: 70 degrees. @ 29': 1" quartz vein						
29.0	56.0	GREYWACKE (GR) generally shaly, irregular layers of shale, grey in silty matrix. From 36-40: more shaly: grey shale with dissem. Aspy crystals From 40-41: quartz vein 41-46: same shaly greywacke with approximately 1 to 2% Aspy with an intercalated massive bed 1.5 ft, foliated 46-56: same greywacke, shaly, dark grey to grey greenish						
56.0	66.0	SHALE (SHL) dark greenish grey, biotite rich, with elongated whitish alteration dots, tr. Py, 1% Aspy	12048	56.00	59.00	3.00	236	0.006
66.0	77.0	GREYWACKE (GR) same shaly greywacke as from 29-56 with from 72-72.5: quartz vein, 1-2% Aspy						
77.0	108.0	ARENITE (AR) typical, medium grey, foliated: apparent dip 60 degrees, biotite inprint.						
108.0	110.0	SHALE (SHL) grey, spotted with elongated whitish dots, gradational to:						
10.0	115.0	GREYWACKE (GR) massive, medium grained grey. Contact with shale: 65 degrees.						
115.0	121.0	SHALE (SHL) biotite rich, spotted with alteration whitish dots						
121.0	130.5	ARENITE (AR) typical, siliceous, biotite inprint. Undulating foliation: 40 to 65 degrees with a narrow intercalated dotted light gray shale bed from 130-130.5						
130.5	133.5	GREYWACKE (GR) medium to fine grained, grey, in massive beds						
133.5	134.5	SHALE (SHL) dotted, gray greenish, with 1cm quartz vein at the						
134.5	138.0	GREYWACKE (GR) as from 130.5-133.5						

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
138.0	157.0	SHALE (SHL) with elongated whitish alteration dots, biotite rich grey greenish alternating from 146-154 with more massive and thick beds, greywacke type, grey with some dissem. Py from 154-154.2: quartz vein 154.2-157.0: shale, graphitic, dark grey to black.	12049	138.00	141.00	3.00	629	0.017
			12050	146.00	149.00	3.00	281	0.008
			12051	149.00	152.00	3.00	299	0.008
			12052	152.00	154.00	2.00	378	0.010
			12053	154.00	157.00	3.00	4406	0.140
157.0	162.0	GREYWACKE (GR) with some shaly graphitic layers intercalated.						
162.0	167.0	ARENITE (AR) typical, medium grey, biotite inprint, foliated						
167.0	168.5	SHALE, QUARTZ VEINING (SHL, Q.V.) shale graphitic, dark grey, mixed with quartz veining containing fragments of black graphitic shale, Aspy and Py.	12054	167.00	168.50	1.50	1398	0.040
168.5	209.5	ARENITE (AR) typical, siliceous, light grey, foliation apparent dip: 65 to 70 degrees @ 175, 190 and 205': large Aspy crystals from 199-200.5: shale, indurated, grey with elongated alteration dots						
209.5	215.0	SHALE (SHL) graphitic, biotite rich, Aspy content 2 to 3%. Quartz vein also associated. Contact : apparent dip: 58 degrees	12055	209.50	215.00	5.50	1126	0.034
215.0	457.0	ARENITE (AR) typical with biotite inprint, foliated, siliceous with the following intersections: @ 222: 1" grey shale, Aspy crystals in arenite on each side 242.5-243: quartz vein with occasional large Aspy crystal @ 260: 1cm layer of grey shal intercalated: 60 degrees app. dip @ 269.5: thin fissures: water circulation. Small Aspy crystals @ 270: 2" quartz vein from 287-288: lenticular layers of shale, thin 2mm ptigmatic quartz vein @ 299: layer of shale as above. from 299-326: in arenite, disseminated Aspy crystals, some macled 326-329: same arenite but with some intercalated layers of shale. from 329-357: numerous large Aspy crystals, some macled; in arenite typical. 337-338.5: quartz vein 357-362.5: quartz vein with lenses of arenite, some fargments more shaly, some Aspy @ 367: 2" grey shale intercalated Apparent dip of arenite foliation: 65 degrees	12110	357.00	362.50	5.50	200	0.006

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
		@ 388.5: 1 cm thin ptygmatic quartz vein with Py,Po,Aspy, blebs of Po @ 441: narrow fissures, arenite bleached @ 452: 1" grey shale intercalated In arenite: disseminated Aspy crystals, some macled.						
457.0	470.0	BELT, SHALE, QUARTZ VEIN (BELT,SHL,QV) Shale, graphitic, fractured mixed with some quartz veining to 466. Some large Aspy crystals. From 466-469.5: quartz vein with remnants of black graphitic shale, some large Aspy crystals assoc., then back to shale	12111 12112 12113	457.00 462.00 466.00	462.00 466.00 470.00	5.00 4.00 4.00	40 34 63	0.000 0.000 0.000
470.0	494.5	ARENITE (AR) typical, some Aspy crystals near contact with the following intercalations: 479-481: 2" quartz vein followed by grey shale spotted with small chlorite dots, ptygmatic quartz vein, 1% Aspy 483-484: shale grey, as above from 493.5 : numerous Aspy crystals in arenite						
494.5	548.5	BELT, SHALE, QUARTZ VEIN (BELT,SHL,QV) as follows: 494.5-497: graphitic shale with quartz veining, chlorite rich, Aspy crystals : approx. 3% 497-504.5: quartz vein containing graphitic black shale fragments, some macled Aspy crystals 504.5-527: graphitic shale with elongated alteration chlorite dots, locally fractured, chlorite rich: 2% Aspy content, up to 4% locally. 527-548.5: graphitic shale with apparition of more numerous silty beds, several 3" quartz veins containing black graphitic shale fragments, also ptygmatic narrow quartz veining. Up to 3% Aspy.	12114 12115 12116 12117 12118 12119 12120 12121 12122 12123 12124 12125	494.50 497.00 502.00 507.00 512.00 517.00 522.00 527.00 532.00 537.00 542.00 547.00	497.00 502.00 507.00 512.00 517.00 522.00 527.00 532.00 537.00 542.00 547.00 548.50	2.50 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 1.50	8050 490 3255 900 706 1583 1638 1521 965 190 173 188	0.250 0.014 0.091 0.025 0.021 0.045 0.047 0.041 0.030 0.005 0.005 0.005
548.5	551.0	ARENITE (AR) typical, well foliated. Apparent dip: 50 degrees						
551.0	553.5	SHALE (SHL) graphitic, spotted with alteration dots, dark grey, with quartz veining. Slightly fractured, brecciated locally.						
553.5	614.5	ARENITE (AR) grey pinkish, bleached and fractured locally, with large blebs of Aspy, several quartz veins up to 2". 570-570.7: quartz vein, barren 572-578: quartz vein, bull quartz, with small lens Arenite 587-607: same bleached arenite, pinkish, brecciated @ 602 Apparent dip of foliation :62 degrees 607-614.5: less bleached, more typical, siliceous, grey						

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
614.5	621.0	SHALE (SHL) contact: 72 degrees; shale graphitic, dark grey, fractured with quartz veining containing fragments graph. black shale, whitish alteration dots in shaly sections, trace Aspy. Becoming more silty last 2 ft.	12126	614.50	619.00	4.50	83	0.000
621.0	663.5	ARENITE (AR) as follows: 621-637: bleached, several narrow 1" sections brecciated, recemented, grey pinkish in colour @ 636.5: narrow 2" grey shale intercalation between 647-647.5: fractured arenite, brecciated over narrow section 657-663.5: arenite brecciated, bleached, pinkish, recemented by carbonate						
663.5	665.5	BRECCIA (XXX) with small angular fragments, some white carb.?, some black in colour						
665.5	679.5	ARENITE (AR) brecciated, recemented as from 657-663.5						
679.5	681.0	BRECCIA (XXX) with quartz fragments						
681.0	708.2	ARENITE (AR) brecciated, recemented, bleached pinkish to 685.5, progressively becoming more typical, grey in colour, siliceous and foliated. Some sections remain bleached, grey pinkish.						
708.2	716.5	SHALE, GREYWACKE (SHL,GR) alternation of grey shale bed and greywacke medium grained, in massive beds as follows: 708.2-709.7: shale, with quartz veining 709.7-710.7: massive greywacke 710.7-712.7: shale, 2mm ptigmatic quartz vein 712.7-715.2: greywacke, massive 715.2-716.5: quartz vein with chlorite blebs and graph. shale fragments followed by grey shale	12127	715.20	716.50	1.30	1346	0.039
716.5	818.0	ARENITE (AR) generally bleached, light grey to grey pinkish with the following intercalations: @ 723.5: 6" grey shale @ 726.0: 6" grey shale from 727-736: arenite with locally some brecciated narrow sections @ 736': 3" coarse grained section in arenite. Approx. 1mm dia, then becoming finer grained 737.2-739.5: shaly, well layered silty intercalation. Apparent						

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		dip angle: 52 degrees 744-749: Shale, fine grained, silty, Po veinlet. Some beds intercalated of about 1 ft., greywacke type. Grey greenish layers of shale, graphitic?, quartz veining with chlorite 749-784.5: arenite typical, some narrow sections are slightly brecciated, biotite unprint, siliceous, foliation 65-75 degrees 784.5-786.5: shale with quartz veining, trace Po 786.5-815.5: arenite, undulating foliation: 50-65 degrees 815.5-818: grey shale with fine dissemination of Aspy						
818.0	825.5	GREYWACKE (GR) medium grained, medium grey, generally massive, with small Aspy crystals disseminated						
825.5	842.5	SHALE, QUARTZ VEIN, BELT? (SHL, QV, BELT?) shale, graphitic, dark grey with chlorite alteration dots, chlorite rich, approx. 3% Aspy to 828. 828-830: quartz vein with chlorite blebs and lens of graphitic shale intercalated 830-832: shale as described above 832-836.2: shale becoming more silty, grey, spotted with small chlorite alteration dots 836.2-837: quartz vein 837-840.5: more silty, greywacke type beds with finely dissem. Aspy approx. 2% content 840.5-842.5: shale, grey, chlorite rich, some Aspy dissem.	12128 12129 12130 12131	825.50 829.00 833.00 837.00	829.00 833.00 837.00 842.50	3.50 4.00 4.00 5.50	3571 245 699 638	0.110 0.007 0.022 0.018
842.5	875.0	ARENITE (AR) typical, biotite inprint, siliceous, medium grey, foliated: 65 degrees, more massive from 866 onward						
875.0	900.0	GREYWACKE (GR) : to 887: shaly greywacke with undulating shaly layers alternating with more massive beds, more silty, grey, then becoming more massive, fine to medium grained, grey to grey greenish to end of hole.  END OF HOLE: 900.0'						

BR 55



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br56

Collar Eastings: 2051.00

Collar Northings: 108.00

Collar Elevation: -6.73

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 1047.00 feet

Logged by: RJD KAN

Date: June 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	12.0	CASING (CB) Coordinates in metric: 625E-31.0N						
12.0	241.50	ARENITE (AR) Thick unit located below the Boston-Richardson  12-80: arenite typical, with biotite inprint, medium gray, siliceous, sub-vertical foliation. End of NQ @ 80' @ 61': locally bleached, grey clear. 90-120: arenite idem above, locally coating of Py on joints 120-192: same arenite as above, sub-vertical foliation 192-194: quartz vein, bull quartz 194-222: arenite typical, with a few disseminated Aspy crystals 222-223.5: quartz vein, bull quartz 223.5-226.5: arenite typical, dissem. Aspy crystals, some mar- bled. 226.5-234: quartz vein, large, with several large Aspy crystals 234-241.5: arenite typical, well foliated as above.						
241.5	250.5	GREYWACKE (GR) generally massive, grey greenish, with numerous Aspy crystals disseminated.						
250.5	268.0	QUARTZ VEIN, SHALE, BELT (Q.V.,SHL.,BELT) quartz vein with shale dotted, grey green lenses and also fragments or inclusions of graphitic shale containing up to 3% Aspy to 260.5 260.5-268: shale dotted, grey greenish, with beds more silty, greywacke type, ptigmatic mm thin quartz vein, some layers of intercalated shale more graphitic, black associated with qtz. veining.	12056	250.50	255.50	5.00	1990	0.054
			12057	255.50	260.50	5.00	7575	0.200
			12058	260.50	265.00	4.50	476	0.016
			12059	265.00	268.00	3.00	923	0.029
268.0	278.5	ARENITE (AR) typical, with foliation apparent dip of 75 degrees						
278.5	315.5	QUARTZ VEIN, SHALE, BELT (Q.V.,SHL.,BELT) New Belt: mixed quartz veining and graphitic shale containing 3 to 4% Aspy. Ratio 50/50 The quartz veins contain chlorite blebs and black shale small fragments, sometimes spotted with chlorite alteration dots, occasional whitish carb. alteration dots.	12060	278.50	283.00	4.50	3699	0.110
			12061	283.00	288.00	5.00	696	0.020
			12062	288.00	292.00	4.00	588	0.019
			12063	292.00	297.00	5.00	889	0.026
			12064	297.00	301.00	4.00	10000	1.220
			12066	301.00	304.00	3.00	10000	0.380
			12066	304.00	308.00	4.00	5015	0.140
			12067	308.00	312.00	4.00	2821	0.081
			12068	312.00	315.50	3.50	1274	0.041
315.5	332.0	ARENITE (AR) typical, biotite inprint, medium grey, well folia-						

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DIAMOND DRILL LOG

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HOLE No.: br56

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
		ted.						
332.0	338.0	SHALE, QUARTZ VEIN, BELT? (SHL., Q.V., BELT?) graphitic shale mixed with quartz veining as from 332-338	12069	332.00	338.00	6.00	1501	0.041
338.0	345.5	GREYWACKE (GR) fractured, generally massive, grey						
345.5	360.5	QUARTZ VEIN, SHALE, BELT? (SHL., Q.V., BELT?) shale, in part silty, some very graphitic sections, bracciated, whitish alteration dots, up to 2% Aspy dissem.	12070	345.50	350.00	4.50	223	0.006
			12071	350.00	355.00	5.00	276	0.008
			12072	355.00	360.50	5.50	1155	0.038
360.5	405.0	ARENITE (AR) typical, foliated, medium grey with the following intersections: @ 365 some thin fissures (water circulation) from 368-370.2: quartz vein with black shale fragments from 370.2-374: numerous small Aspy crystals disseminated in arenite from 395.5-396.5: grey shale with associated quartz veining between 396.5 and 405: same typical arenite with apparent dip of foliation: 80 to 90 degrees	12073	368.00	370.20	2.20	285	0.008
405.0	413.0	SHALE (SHL) graphitic, spotted with chlorite dots, biotite rich with quartz veining from 407-408. Approximately 2% Aspy, bleb of Po	12074	405.00	409.00	4.00	87	0.000
			12075	409.00	413.00	4.00	76	0.000
413.0	442.0	ARENITE (AR) typical, as described above. 420-422: quartz vein, barren 426.5-427.0: Quartz vein with associated grey shale						
442.0	445.0	QUARTZ VEIN, SHALE (Q.V., SHAL) with black graphitic shale remnants, blebs of chlorite to 443.5 then entering in Shale, silty with apparent dip: 55 degrees						
445.0	451.0	ARENITE (AR) typical, as above, foliation 75 degrees.						
451.0	452.5	SHALE (SHL) with quartz veining, spotted with alteration dots, ptigmatic thin 2mm quartz vein associated						
452.5	460.0	GREYWACKE (GR) grey, medium grained, massive, with Aspy crystals disseminated.						
460.0	522.5	BELT: SHALE, QUARTZ VEIN (BELT, SHL, Q.V) 460-461.2: Shale, dark grey, spotted with elongated dots of chlorite, 2 to 3% Aspy content	12076	460.00	465.00	5.00	563	0.015
			12077	465.00	472.00	7.00	599	0.015
			12078	472.00	477.00	5.00	284	0.008

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		461.2 -462.7: quartz veining with blebs of chlorite and fragmenys of black graphitic shale, some Po and Aspy	12079	477.00	482.00	5.00	231	0.006
		462.7-467:shale with elongated chlorite dots, 3% Aspy	12080	482.00	487.00	5.00	273	0.008
		467-472: idem with quartz veining associated: ratio 50/50 approximately 3% Aspy	12081	487.00	492.00	5.00	99	0.000
		472-477: graphitic dark grey shale with narrow quartz vein ratio 90 % shale, 10% quartz, approximately 5% Aspy content	12082	492.00	497.00	5.00	499	0.014
		477-487: more silty shal;e, indurated with approximately 5% Aspy content	12083	497.00	501.00	4.00	5000	0.160
		487-507: shale with quartz veining, also ptygmatic thin 1/2 cm quartz vein, locally some large Aspy crystals, intercalated silty beds. From 3 to 5% Aspy content	12084	501.00	505.50	4.50	1204	0.037
		@ 498: one dot of VISIBLE GOLD in black shale	12085	505.50	510.00	4.50	1836	0.057
		507-517: shale with large elongated chlorite alteration dots 1 small dot of VISIBLE GOLD in Aspy @ 517	12086	510.00	514.00	4.00	584	0.018
		517-522.5: end of BELT @ 522.5 with graphitic black shale and approximately 4% Aspy.	12087	514.00	518.50	4.50	4000	0.120
			12088	518.50	522.50	4.00	158	0.004
522.5	611.0	ARENITE (AR) typical, generally siliceous, medium grey, with biotite inprint, foliated, with the following: @ 527: several thin fissures (water circulation) in arenite 527.5-529.5: intercalated dark grey shale bed, dotted with narrow ptygmatic quartz veining 529.5-542.0: in arenite some rare large 2cm Aspy crystals diss. also some small Aspy crystals 542-544.6: quartz vein, bull quartz 544.6-557: arenite foliation :75 degrees to sub-vertical 557-561: quartz vein, bull quartz 561-577: arenite more massive with quite numerous Aspy crystals dissem, some maclad 2" quartz vein @ 566 1' quartz vein starting @ 574 Some large 2cm Aspy crystals @ 586.5. Foliation: 67 degrees 602.2-603.8: Shale, indurated, grey with ptygmatic quartz vein, trace Po, Py. 603.8-611: foliation in arenite : 65 degrees						
611.0	613.0	SHALE (SHL) grey, spotted with alteratio dots, some thin quartz veining associated						
613.0	619.0	GREYWACKE (GR) shaly, biotite rich, grey with one large Aspy crystal.						
619.0	624.0	SHALE (SHL) grey to dark grey shale, spotted with alteration						

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		dots, with 2" quartz vein followed by a 3" quartz vein, ptygmatitic.						
624.0	629.0	GREYWACKE (GR) generally massive, grey, biotite rich, with dark grey layers of graphitic shale intercalated.						
629.0	632.5	SHALE (SHL) grey, indurated, undulating, with ptygmatitic quartz vein. Contact : apparent dip 60 degrees						
632.5	731.0	ARENITE (AR) typical, biotite inprint, medium grey, foliated with the following intercalations: 635-637.5: shale, grey, indurated, undulating elongated whitish alteration. 640-642: shale with 1" ptygmatitic quartz veining 642-657.5: foliation in arenite: 80 degrees to sub-vertical 657.5-660: 2" shale bed following foliation, intercalated in arenite 685-687: quartz vein associated with shale, silty, greyish 702-703: shale grey with elongated whitish alteration dots, with narrow 1/2 cm ptygmatitic quartz vein @ 707.5: 1" grey shale from 707.5-724: foliation in arenite 75 degrees to sub-vertical 724.2-725.2: shale grey, ptygmatitic thin quartz vein, trace Py and Aspy						
731.0	734.1	SHALE (SHL) grey, with elongated whitish alteration dots. No visible sulph.						
734.1	737.0	GREYWACKE (GR) biotite rich, grey, generally in massive beds separated by shaly intercalations						
747.0	749.0	SHALE (SHL) dark grey, graphitic, biotite rich, with a 9" qtz. vein.						
749.0	752.0	GREYWACKE (GR) massive, grey, numerous Aspy crystals						
752.0	757.0	SHALE (SHL) dark grey, biotite rich, undulating, with 1 to 2% Aspy content	12089	752.00	757.00	5.00	189	0.005
757.0	761.0	GREYWACKE (GR) grey, massive, several large Aspy crystals, some macled.	12090	757.00	761.00	4.00	151	0.004
761.0	765.0	QUARTZ VEIN (Q.V.) containing remnants of graphitic black shale with Aspy, chlorite blebs	12091	761.00	765.00	4.00	66	0.000

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
765.0	768.0	GREYWACKE (GR) massive with several large Aspy crystals	12092	765.00	768.00	3.00	35	0.000
768.0	771.0	QUARTZ VEIN (Q.V.) as from 761-765	12093	768.00	771.00	3.00	24	0.000
771.0	774.5	SHALE (SHL) dark grey, graphitic, becoming more silty. Approximately 5% Aspy content	12094	771.00	774.50	3.50	71	0.000
774.5	782.0	GREYWACKE (GR) with Aspy crystals, some maclad, generally massive.						
782.0	790.5	ARENITE (AR) typical, medium grey, foliated: 65 degrees apparent dip with the following intercalations: 785-788: shale, graphitic, dark grey, elongated alter. dots						
790.5	826.5	BELT, SHALE (BELT, SHL) graphitic, dark grey, mostly elongated whitish dots, some are chlorite dots, ptygmatic quartz veining Approx. 1% Aspy to 795, then 2% to 800 and 3% to 805 Silty beds from 805 to 807 and 810 to 812. This last silty bed is greywacke type with numerous Aspy crystals disseminated, some maclad From 825 to 826.5: quartz vein with fragments of graphitic, black shale, some Aspy	12095	790.50	795.00	4.50	159	0.004
			12096	795.00	800.00	5.00	495	0.015
			12097	800.00	805.00	5.00	215	0.006
			12098	805.00	810.00	5.00	218	0.006
			12099	810.00	815.00	5.00	1308	0.033
			12100	815.00	820.00	5.00	199	0.006
			12101	820.00	825.00	5.00	164	0.004
			12102	825.00	826.50	1.50	192	0.005
826.5	830.5	GREYWACKE (GR) grey, massive, numerous Aspy crystals dissem.	12103	826.50	830.50	4.00	224	0.006
830.5	834.2	SHALE, QUARTZ VEIN (SHL, Q.V.) shale grey with quartz veining containing fragments of black graphitic shale and chlorite						
834.2	842.0	GREYWACKE (GR) generally massive, with some shaly intercalations, containing whitish alteration dots						
842.0	1047.0	ARENITE (AR) typical, medium grey, foliated; apparent dip 58 degrees with the following intercalations: @ 847: 3" narrow grey shale with bleb of Cpy. @ 850: 3" shale, grey 854.5-860.5: shale, ptygmatic quartz vein, some Cpy, grey with thin elongated whitish alteration dots, indurated @ 857: some kaolonization In arenite to 860.5: typical to more massive, disseminated Aspy crystals, some maclad 870.5-872.0: shale, grey, elongated undulating chlorite dots, ptygmatic quartz veining 881.5-882.5: shale, grey	12104	830.50	843.20	12.70	241	0.007
			12105	854.50	860.50	6.00	215	0.006
			12106	885.50	892.50	7.00	193	0.005
			12107	922.00	923.00	1.00	231	0.006
			12108	982.20	987.00	4.80	211	0.006
			12109	987.00	990.00	3.00	186	0.005

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br56

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		885.5-892.5: shale, gray green, ptygmatic quartz veining with trace Po,Py,Cpy> Also quartz vein over 18".						
		894.5-898: shale, grey green, indurated with elongated thin undulating dots, whitish.						
		907-913.3: shale, grey green, undulating, indurated as above						
		922-923: quartz vein with Po,Py, Cpy, galena, Aspy						
		923-929.5: shale, grey green, with whitish alteration dots, no visible sulphides						
		943-945: 2" quartz vein followed by shale, grey, dotted						
		945-956.5: arenite, siliceous, foliated, thin fissures @ 952						
		956.5-959.5: shale grey green with 18" quartz vein with blebs of chlorite and fragments of graphgitic black shale						
		971.8-972.8: shale with quartz veining, dotted with small chlorite dots						
		982.2-990: shale, grey, with elongated chlorite dots, quartz veining : ratio 50/50. No visible sulph.						
		991-992: same shale as described above: arenite typical in-between						
		@ 993: thin fissures in arenite: water circulation						
		@ 994.5: arenite brecciated, over 6",recemented, pinkish in colour, narrow ptygmatic quartz vein						
		@ 1001.5: brecciated over 1/2 cm, recemented, in arenite						
		1020-1021: shale grey, ptygmatic quartz vein, trace Py,Cpy						
		1021 to 1047.0: ARENITE typical, siliceous, biotite rich along foliation, some fissures very thin locally, also fractures recemented by carbonate.						
		END OF HOLE: 1047.0'						

BR 56



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-144/01/7893

Date: July 20, 1988

Received 126 Samples of Drill Core

Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

*BR 58*

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
12154	6700 .19	12175	519 .015
12155	210	12176	375
12156	1643 .048	12177	54
12157	961 .028	12178	63
12158	510 .016	12179	91
12159	415 .014	12180	217
12160	969 .027	12181	58
12161	658 .018	12182	81
12162	677 .019	12183	227
12163	211	12184	690 0.022
12164	552 .016	12185	3969 .11
12165	792 .023	12186	3959 .11
12166	1006 .026	12187	562 .016
12167	597 .009	12188	196
12168	200	12189	216
12169	443 .013	12190	* 3.25
12170	215	12191	471 .013
12171	222	12192	1731 .043
12172	151	12193	>10000 >.48
12173	867 .023	12194	>10000 >5.78
12174	24	12195	>10000 >1.04

ASSAYERS (ONTARIO) LIMITED

Per J. van Engelen Mgr.





# ASSAYERS (ONTARIO) LIMITED

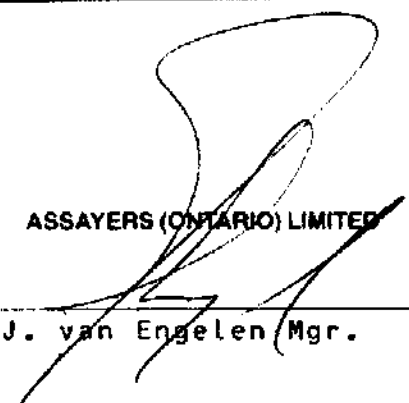
33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-144/02/7893 Date: July 20, 1988  
Received 126 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
12196	2305 .075	12215	190
12197	448 .013	12216	201
<i>BR58</i> 12198	229	12217	499 .016
12199	240	12218	178
12200	2976 .088	12219	22
12201	168	12220	26
12202	159	12221	48
12203	76	12222	913 .015
12204	2875 .083	12223	2276 .034
<i>BR59</i> 12205	5693 .15	12224	>10000 5.57
12206	190	12225	1685 .051
12207	3825 .057	12226	244
12208	785 .020	12227	>10000 .32
12209	3738 .10	12228	245
12210	* .15	12229	169
12211	3127 .092	12230	171
12212	239	12231	211
12213	175	12232	176 .016 *
12214	496 .015	12233	166

ASSAYERS (ONTARIO) LIMITED

Per   
J. van Engelen (Mgr.)



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-144/D3/7893 Date: July 20, 1988  
Received 126 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
12234	696 .023	12254	8997 .27
12235	1416 .040	12255	2214 .069
<i>BR59</i> 12236	4611 .14	12256	831 .023
12237	152	12257	1895 .054
12238	55	12258	285
12239	44	12259	55
12240	853 .027	12260	51
12241	87	12261	764 .021
12242	37	12262	2017 .054
12243	33	12263	214
12244	35	12264	46
12245	29	12265	41
12246	38	12266	158
12247	1700 .026	12267	15
12248	1284 .019	12268	14
12249	161	12269	3594 .053
12250	996 .016	12270	177
12251	4391 .13	12271	70
12252	3109 .048	12272	22
12253	6050 .18	12273	39

ASSAYERS (ONTARIO) LIMITED

Per   
J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br57

Collar Eastings: 1341.86

Collar Northings: 0.00

Collar Elevation: 16.76

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 875.00 feet

Logged by: RJD KAN

Date: June 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS	
						WIDTH	Au ppb Au oz/t
0	30.0	CASING (CB)					
30.0	126.0	ARENITE (AR) medium grained, medium grey, brown iron staining on joints, foliated : 70-75 degrees, fractured Locally thin fissures : water circulation.					
126.0	170.0	ARENITE (AR XXX) weathered, bleached, brecciated, recemented light to grey pinkish End of NQ @ 170'.					
170.0	225.0	ARENITE (AR) brecciated, fractured, pinkish, bleached to 189' 189-225: typical, siliceous, biotite inprint, grey to medium grey, sub-vertical foliation					
225.0	264.0	ARENITE (AR XXX) wethered, brecciated, recemented, pinkish to 230'. From 230-237: no core: sand seam? 237-247: arenite, more siliceous, typical, grey with sub-vertical foliation. 247-264: arenite, weathered, brecciated with thin white carb. filling at end of section.					
264.0	280.0	GREYWACKE, SHALE (GR, SHL) alternation of fine shale grey, layered with whitish fine elongated dots Apparent dip: 50 deg. and fine to medium grained greywacke beds approx. 18" thick from 274-280: greywacke massive, biotite rich.					
280.0	281.0	SHALE (SHL) grey with ptymatic quartz vein, spotted with chlorite alteration dots, trace Py.					
281.0	309.3	ARENITE (AR) typical, siliceous, medium grey with biotite inprint passing at 286' in more weathered, locally brecciated, pinkish arenite to 288'. 288-309.3: partly bleached, fractured, with some large Aspy crystals dissem. Trace Po.					
309.3	313.5	SHALE (SHL) grey, spotted with chlorite alteration dots, with a 6" quartz vein, also ptymatic 2mm quartz vein, Py.	12132	309.30	313.50	4.20	214 0.006
313.5	346.5	ARENITE (AR) typical, grey, some sections bleached grey pinkish					
346.5	370.0	SHALE, QUARTZ VEIN, BELT (SHL, Q.V., BELT) shale, graphitic,	12133	346.50	351.00	4.50	7111 0.220

HOLE No: br57

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br57

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			
				FROM	TO	WIDTH	Au ppb Au oz/t
		grey to dark grey over 5" then quartz veining with graphitic black shale fragments to 352.5, then back to shale mixed with some quartz veins. @ 365': ptygmatic quartz vein with some Cpy. In the shale, the Aspy content varies from 2 to 3%.	12134	351.00	356.00	5.00	5720 0.140
			12135	356.00	360.00	4.00	1157 0.039
			12136	360.00	365.00	5.00	1771 0.056
			12137	365.00	370.00	5.00	1962 0.060
370.0	372.5	GREYWACKE (GR) massive, biotite rich, grey with disseminated Aspy crystals.					
372.5	375.5	SHALE (SHL) grey green, indurated with elongated alteration whitish dots.					
375.5	406.0	ARENITE (AR) typical, medium grey, with the following intercalations: 393.2-395.0: shale, grey green, ptygmatic qtz. vein with trace Py, 3" quartz vein at end of section. 386.0-386.9: quartz vein with some chlorite and some shale fragments, feldspar.					
406.0	412.0	SHALE, QUARTZ VEIN (SHL, QV,) shale graphitic with quartz veining containing some black shale fragments, Aspy, Po.	12138	406.00	412.00	6.00	70 0.000
412.0	478.8	ARENITE (AR) typical, as above with a 2" intercalated grey shale bed, grey @ 415'. from 422-423: shale bed with a quartz vein, blebs of Cpy. 427-431.5: quartz vein with grey undulating shale, some big Aspy crystals, maclad. 445.6-445.8: shale with pyugmatic qtz. vein, trace Py. 448.7-449.2: shale with quartz vein, some chlorite. 453.0-453.7: shale, grey, dotted. 457.2-457.4: shale with ptygmatic narrow qtz. vein 461.0-461.4: shale with narrow quartz vein 465.5-466.9: intercalated shale layers, greyish 470-471.5: shale, silty, with elongated whitish alteration dots 472.7-473.3: shale, silty as above 476.9-477.1: BRECCIATED ZONE, mixed with softer grey shale	12139	422.00	423.00	1.00	32 0.000
478.8	483.1	SHALE (SHL) spotted with large chlorite alteration dots, also several quartz veins					
483.1	514.5	ARENITE (AR) typical but with the following intercalations: 487.5-488.6: Shale, indurated, undulating, contact brecciated over 1cm : real breccia 494-495: grey shale with quartz veining 501.8-503.3: shale, indurated, 1/2 cm ptygmatic quartz vein					

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br57

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		509-510: shale indurated as above 512.3-513: quartz vein with 1cm grey shale on each side						
514.5	521.0	SHALE, QUARTZ VEINING (SHL, QV,) shale with elongated chlorite dots, quartz veining associated, Aspy dissem. (2% content in shale).	12140	514.50	521.00	5.30	850	0.027
521.0	599.5	ARENITE (AR) typical, clear grey with sub-vertical foliation, with the following intercalations: 526-527.2: quartz vein with indurated grey shale 532-533: shale, grey, silty, ptygmatic quartz veining 548-550: quartz vein and shale dotted, clear grey 557.9-558.9: shale with ptygmatic quartz veining 562.5-567.7: shale spotted with alteration chlorite dots, undulating, follows foliation 569-572.2: shale silty, grey: lenses of shale in silty matrix apparent dip: 62 degrees 581.5-582.3: shale with quartz veining, grey. 594.2-596.2: shale with quartz veining: ratio 50/50, some Aspy						
599.5	605.5	SHALE (SHL) with large alteration chlorite dots, some ptygmatic quartz veining and 2-3% Aspy content to 602', then from 602-605.5: shale becoming more silty, chlorite alteration dots very small, gradational to Greywacke	12141	599.50	602.00	2.50	903	0.027
605.5	632.5	GREYWACKE (GR) alternation of massive and shaly beds of greywacke as follows: 605.5-609.8: bed of massive, medium to fine grained greywacke Apparent dip at contact with shale: 60 degrees 609.8-614.9: shale, indurated, undulating elongated thin whitish carb. alteration. No visible sulphides. 614.9-619.3: greywacke, biotite rich, foliated, thin fissures at 617 619.8-632.5: alternation of narrow silty beds of greywacke and indurated shale spotted with elongated alteration dots, some chloritic, some carb. whitish.						
632.5	649.0	ARENITE (AR) typical, clear grey, with sub-vertical foliation						
649.0	652.0	GREYWACKE (GR) grey, med. grained, massive						
652.0	667.2	SHALE, BELT? (SHL, BELT?) shaly, grey, silty, spotted with chlorite alteration dots, quartz vein from 654-664.4: quartz vein with rare graphitic blebs, some Aspy	12142	652.00	654.00	2.00	211	0.006
			12143	654.00	659.00	5.00	161	0.004
			12144	659.00	664.40	5.40	70	0.000

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br57

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
		from 664.4-667.2: idem with more remnants of black graphitic shale and blebs of chlorite, shale graphitic with 2% Aspy Contact apparent dip: 48 degrees	12145	664.40	667.20	2.80	1375	0.045
667.2	704.0	ARENITE (AR) typical, biotite rich inprint, medium grey with the following intercalations: 673.5-675.0: graphitic shale, dark grey 679.5-680.5: quartz vein Foliation : 70 degrees to sub-vertical.						
704.0	707.0	GREYWACKE (GR) massive, grey, Aspy crystals near contact						
707.0	718.0	QUARTZ VEIN, SHALE (QV,SHL) quartz veining mixed with graphitic shale, chlorite rich, 2-3% Aspy, Py from 712-715: wedge of ARENITE as above	12146 12147	707.00 715.00	712.00 718.00	5.00 3.00	720 1520	0.020 0.045
718.0	725.5	ARENITE (AR) typical, as above.						
725.5	729.8	SHALE (SHL) silty with thin layers of graphitic shale, @ 728 entering in quartz veining with blebs of graphitic shale, black	12148	725.50	729.80	4.30	836	0.025
729.8	734.5	ARENITE (AR) typical as above. One layer of graphitic shale @ 731'						
734.5	745.0	SHALE, QUARTZ VEIN (SHL,QV) graphitic shale containing 2% Aspy contact apparent dip: 30 degrees, to 735.5 735.5-736.0: massive greywacke bed 736-745: quartz vein with fragments of black graphitic shale	12149 12150	734.50 739.00	739.00 745.00	4.50 6.00	63 42	0.000 0.000
745.0	828.0	ARENITE (AR) typical, medium grey, foliated, several 6" quartz veins 787.7-792.0: quartz vein, bull quartz						
828.0	845.3	SHALE, GREYWACKE (SHL,GR) alternation of beds of shale and greywacke, as follows: 828-832.1: shale, silty, grey, some layers graphitic, dotted 832.1-836.3: greywacke massive with lenses massive Aspy 836.3-839: shale grey with quartz veining, chlorite dots. 839-845.3: greywacke massive, dark grey	12151	836.30	839.00	2.70	201	0.006
845.3	854.5	QUARTZ VEIN, SHALE (QV,SHL) quartz vein mixed with shale, graphitic, black with 2-3% Aspy. Ratio: 60% quartz, 40% shale	12152 12153	845.30 850.00	850.00 854.50	4.70 4.50	1657 233	0.051 0.006
854.5	858.0	SHALE (SHL) silty, grey with quartz vein, trace Aspy						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: 3r57

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
356.0	875.0	ARENITE (AR) generally finer grained, biotite rich, grey						
		At 875.0: END OF HOLE						

BR 57





# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-144/02/7893

Date: July 20, 1988

Received 126 Samples of Drill Core

Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

*BR58*

*BR59*

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
12196	2305 .075	12215	190
12197	448 .013	12216	201
12198	229	12217	499 .016
12199	240	12218	178
12200	2976 .088	12219	22
12201	168	12220	26
12202	159	12221	48
12203	76	12222	913 .015
12204	2875 .083	12223	2276 .034
12205	5693 .15	12224	>10000 5.57
12206	190	12225	1685 .051
12207	3825 .057	12226	244
12208	785 .020	12227	>10000 .32
12209	3738 .10	12228	245
12210	* .15	12229	169
12211	3127 .092	12230	171
12212	239	12231	211
12213	175	12232	176 .016 *
12214	496 .015	12233	166

ASSAYERS (ONTARIO) LIMITED

Per J. van Engelen (Mgr.)

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br58

Collar Eastings: 2051.00

Collar Northings: 154.00

Collar Elevation: -7.45

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 847.00 feet

Logged by: RJD KAN

Date: July 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb Au oz/t	
0	30.0	CASING (OB)						
30.0	169.7	ARENITE (AR) medium grey, partly bleached with iron staining on joints, biotite inprint, sub-vertical foliation. small Aspy crystals disseminated, also very thin fissures @ 40 and 45'. from 96-106: bleached, clear grey @ 110': end of NQ 127-128: quartz vein, bull quartz 128-150: arenite typical, well foliated, partly bleached @ 133: apparent dip of foliation: 78 degrees @ 150: 62 degrees @ 166.5: 1" shale lense with Aspy crystal at edge						
169.7	181.0	QUARTZ VEIN, SHALE (Q.V.,SHL) quartz vein to 172', then graphitic shale, spotted with chlorite alteration dots with up to 4% Aspy. Also ptymatic narrow qtz. veining and some intercalated more silty beds. A 2" quartz vein at end sect.	12154 12155 12156	169.50 175.00 178.00	175.00 178.00 181.00	5.50 3.00 3.00	6700 210 1643	0.190 0.006 0.048
181.0	196.0	ARENITE (AR) typical, as described above, with large Aspy crystals disseminated with the following intercalations: 186-187.5: shale, grey, biotite rich 190-193.5: shale grey contact apparent dip: 70 degrees	12157	190.00	193.50	3.50	961	0.028
196.0	208.5	SHALE (SHL) partly graphitic, grey, with 1-2% Aspy, silty beds and a quartz vein from 200 to 202'. From 205 onward shale is becoming more silty apparition of greywacke type beds.	12158 12159	196.00 200.00	200.00 205.00	4.00 5.00	510 415	0.016 0.014
208.5	264.5	ARENITE (AR) typical, medium gray, biotite inprint, becoming more siliceous with the following intercalations: 211-216: shale greywacke type, silty, grey 216-217.2: quartz vein foliation in arenite @ 221': 70 degrees some maclad Aspy crystals disseminated, locally large pseudo-porphyroblasts of Aspy 239-241: grey shale, indurated, undulating comb-like whitish elongated dots, no visible sulph. @ 250': foliation 58 degrees. last 3 ft. section: arenite more massive, gradational to greywacke						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br5B

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
264.5	267.5	SHALE (SHL. indur.) indurated, grey, undulating, elongated whitish alteration dots, thin ptygmatic quartz veining						
267.5	276.0	GREYWACKE (GR) shaly, irregular layers of grey to dark grey shale, some more massive beds intercalated.						
276.0	282.5	SHALE (SHL) with large alteration dots, partly graphitic, grey to dark grey with 1 to 3% Aspy disseminated	12160	276.00	282.50	6.50	969	0.027
282.5	285.0	GREYWACKE (GR) massive, grey in colour.						
285.0	313.0	SHALE (SHL, BELT) graphitic, spotted with large elongated white alteration dots, some undulating, 1 to 2% Aspy content. From 293-294.5: intercalation of typical ARENITE, foliated. 294.5-313: same shale as above with some silty intercalated layers. Several narrow quartz veins with tr. Py, Cpy and up to 2% Aspy locally.	12161	285.00	289.00	4.00	658	0.018
			12162	289.00	293.00	4.00	677	0.019
			12163	293.00	294.50	1.50	211	0.006
			12164	294.50	299.00	4.50	552	0.016
			12165	299.00	304.00	5.00	792	0.023
			12166	304.00	308.00	4.00	1006	0.026
			12167	308.00	313.00	5.00	597	0.009
313.0	336.5	ARENITE (AR) typical, siliceous, medium grey, with biotite inprint and foliation at 50 degrees apparent dip.						
336.5	340.0	SHALE (SHL indur.) grey, indurated, elongated white undulating alteration layers. No visible sulphide						
340.0	347.0	ARENITE (AR) as above.						
347.0	355.3	SHALE (SHL indur.) grey, indurated, elongated alteration white dots, one 1/2" quartz vein @ 352.						
355.3	371.2	ARENITE (AR) typical, biotite inprint, siliceous, medium grey						
371.2	373.5	QUARTZ VEIN (Q.V.) with fragments of black graphitic shale at edge of vein, tr. Py	12168	371.20	373.50	2.30	200	0.006
373.5	376.5	GREYWACKE (GR) massive, grey with some large Aspy crystals disseminated	12169	373.50	376.50	3.00	443	0.013
376.5	390.0	SHALE (SHL., BELT) graphitic, black with chlorite alteration dots, some more silty beds intercalated containing large Aspy crystals, some macled.	12170	376.50	381.00	4.50	215	0.006
			12171	381.00	386.00	5.00	222	0.006
			12172	386.00	390.00	4.00	151	0.003
390.0	446.0	ARENITE (AR) typical, medium grey, siliceous with sub-vertical foliation with the following intersections:	12173	407.80	409.50	1.70	867	0.023

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br58

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		393-395: graphitic shale spotted with white alteration dots, also some chlorite dots, mixed with quartz veining 407.8-409.5: graphitic shale with mm thin ptigmatic qtz. vein to 408, followed by quartz vein with several Aspy crystals. 423-426: irregular lenses 1 to 2cm thick of graphitic shale with quartz vein up to 5" intercalated in arenite @ 429: 6" grey dotted shale bed intercalated in the arenite to 446': some large up to 2cm diam. Aspy crystals						
446.0	458.0	QUARTZ VEIN, SHL (QV,SHL) quartz vein to 450, followed by lens of grey shale with very silty intercalated bed, greywacke type, with large Aspy crystals to 453. From 453-458: quartz vein with graphitic grey shale with elongated alter. whitish dots	12174 12175 12176	446.00 450.00 453.00	450.00 453.00 458.00	4.00 3.00 3.00	24 519 375	0.000 0.015 0.010
458.0	471.0	ARENITE (AR) typical, some large and numerous Aspy crystals dissem.						
471.0	490.5	QUARTZ VEIN, SHALE (QV,SHL) quartz veining and black graphitic shale with chlorite dots mixed : ratio 50/50, biotite rich and up to 3% Aspy locally.	12177 12178 12179 12180	471.00 476.00 481.00 486.00	476.00 481.00 486.00 490.50	5.00 5.00 5.00 4.50	54 63 91 217	0.000 0.000 0.000 0.006
490.5	553.5	ARENITE (AR) typical, some large Aspy crystals, very siliceous, foliation 55 degrees with the following intercalations: @ 496.5: 1/2" irregular layered shale 508-509: grey shale indurated with Po veinlet 530-533: grey shale, dotted, quartz veining, partly indurated						
553.5	565.0	SHALE (SHL) partly indurated, grey, with large alteration dots, some chlorite, some whitish carb, with several narrow quartz veins, some ptigmatic, locally 1 to 2% Aspy.	12181 12182 12183	553.50 558.00 562.00	558.00 562.00 565.00	4.50 4.00 3.00	58 81 227	0.000 0.000 0.006
565.0	576.8	GREYWACKE, SHALE (GR, SHL) alternation of massive beds of greywacke containing some irregular layers of graphitic shale and beds of indurated grey shale as follows: 565-568.3: greywacke massive 568.3-568.5: grey shale, dotted, indurated and ptigmatic thin quartz vein 568.5-571.2: greywacke massive. 571.2-573: grey shale, dotted, indurated with tygmatic qtz. vein 573-575.5: greywacke massive 575.5-576.8: grey shale spotted with chlorite dots, 1/2cm qtz.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br58

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb Au oz/t	
		vein, indurated						
576.8	580.5	ARENITE (AR) typical, 70 degrees foliation.						
580.5	509.0	SHALE (SHL,BELT) graphitic shale with large chlorite alteration dots, some whitish carb. dots, @ 581 ptigmatic thin qtz.vein from 586-587.5: quartz vein Locally 2 to 3% Aspy content from 506.2-509: indurated, dark grey	12184	580.50	585.00	4.50	890	0.022
			12185	585.00	590.00	5.00	3369	0.110
			12186	590.00	595.00	5.00	3959	0.110
			12187	595.00	600.00	5.00	562	0.016
			12188	600.00	602.00	2.00	196	0.005
609.0	691.2	ARENITE (AR), typical, siliceous, foliated, medium grey apparent dip of foliation : @620: 55; @ 660: 70 degrees Some dissem. Aspy crystals, some large 637.3-643: quartz vein, bull quartz, some Aspy crystals 668-671: quartz vein, some scattered Aspy crystals. At 671 1cm of grey shale with Aspy	12189	668.00	671.00	3.00	216	0.006
691.2	701.0	SHALE, BELT (SHL,BELT) contact with graphitic shale: apparent dip: 50 degrees. Graphitic shale lenses and quartz veining with brecciated fragments of graph. black shale: 2-3% Aspy in shale. DOTS of VISIBLE GOLD : @ 695.5: 2 small specks, @ 696.3 in narrow quartz vein, one dot. From 696.5-700: intercalation of silty beds, greywacke type with numerous Aspy crystals :5% 700-701: quartz vein and graph.shale with silty layers as above.	12190	691.20	696.50	5.30	10000	3.250
			12191	696.50	701.00	4.50	471	0.013
701.0	711.0	ARENITE (AR) typical, very foliated, biotite inprint, apparent dip: 70 degrees. Also very large Aspy crystals: 2cm dia.						
711.0	724.5	SHALE, BELT (SHL,BELT) shale, graphitic, brecciated contact, 2-3% Aspy to 712.5 712.5-724.5: mostly quartz vein with some rare black graphitic fragments	12192	711.00	716.00	5.00	1731	0.043
			12193	716.00	720.00	4.00	10000	0.480
			12194	720.00	724.50	4.50	10000	5.780
724.5	731.5	ARENITE (AR) typical, large Aspy crystals as above.						
731.5	733.5	SHALE (SHL, BELT?) graphitic shale with 1" quartz vein and thin ptigmatic quartz vein, approximately 3% Aspy content	12195	731.50	733.50	2.00	10000	1.040
733.5	740.0	ARENITE (AR) idem 724.5-731.5						
740.0	743.5	SHALE (SHL) grey spotted with whitish dots, ptigmatic quartz vein, 1% Aspy.	12196	740.00	743.50	3.50	2305	0.075

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br58

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			
				FROM	TO	WIDTH	Au ppb Au oz/t
743.5	747.0	ARENITE (AR) as above, some macled Aspy crystals					
747.0	755.8	GREYWACKE (GR, shaly) shaly, dotted with very thin elongated whitish carb. alteration, grey, indurated					
755.8	760.0	SHALE, QUARTZ VEIN (SHL, QV) graphitic shale, dark grey, spotted with chlorite alteration dots and quartz veining containing fragments of black shale	12197	755.80	750.00	4.20	448 0.013
760.0	765.0	ARENITE (AR) typical, as above.					
765.0	769.0	GREYWACKE (GR, shaly) as from 747.0-755.8					
769.0	780.0	ARENITE (AR) medium grey, typical, foliated with a 6" quartz vein @ 772, then finer grained.					
780.0	798.5	QUARTZ VEIN, SHALE (QV, SHL) quartz vein with lens of grey shale spotted with alteration chlorite dots	12198	780.00	785.00	5.00	229 0.006
			12199	785.00	790.00	5.00	240 0.007
			12200	790.00	795.00	5.00	2976 0.088
			12201	795.00	798.50	3.50	168 0.004
798.5	847.0	ARENITE (AR) typical with the following intercalations from 800.5-803.0: shale, grey with ptigmatic thin qtz. vein, also qtz. veining. 810-811.5: shale, partly graphitic, dark grey, dotted 813-814.5: shale as above 834-835: quartz vein, ptigmatic, with 1" grey shale. 836-837: arenite bleached, pinkish, brecciated, recemented					
END OF HOLE: 847.0'							

BR 58



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-146/7953 Date: August 5, 1988  
Received 28 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13000	21	13014	479 .015
13001	50	13015	551 .017
13002	91	13016	436 .013
BR 60 13003	76	13017	375
13004	8	13018	1004 .033
13005	671 .020	13019	90
13006	178	13020	1055 .033
13007	357	13021	214
13008	1854 .054	13022	175
13009	1490 .044	13023	26
13010	886 .027	13024	169
13011	374 .012	13025	54
13012	98	13026	43
13013	1310 .039	13027	18

ASSAYERS (ONTARIO) LIMITED

Per   
J. van Engelen Mgr.



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br59

Collar Eastings: 1247.00

Collar Northings: 41.00

Collar Elevation: 19.00

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 897.00 feet

Logged by: RJD KAN

Date: July 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	26.0	OVERBURDEN (OB)						
26.0	192.0	ARENITE (AR) typical, detailed as follows: 26-28: weathered, iron staining brownish red on joints 28-40: "broken ground" : fractured, weathered fragments of arenite, some small narrow cavities : water circulatoryion. 40-99: arenite typical, siliceous, with biotite inprint, foliated, grey. Some sections are bleached clearer grey Apparent dip of foliation: 65 degrees 99-102: weathered, fractured, bleached 102-107: arenite bleached, clear grey 107-130: locally more siliceous, medium grey, still some blocky sections. @130': end of NQ 130-157: arenite typical, fractured, partly bleached, clear grey 157-177: arenite typical, more siliceous, but some sections are still bleached. From 165-167: thin fissures, water circul. 177-192: arenite medium grey, siliceous, foliation 80 degrees to sub-vertical.						
192.0	202.0	SHALE (SHL) graphitic, dark grey to black, brecciated locally, spotted with whitish alteration dots. Dissem. Aspy mineraliz. From 197-202: more silty beds intercalated, with less sulph.	12202 12203	192.00 197.00	197.00 202.00	5.00 5.00	159 76	0.004 0.000
202.0	206.5	ARENITE (AR) typical, with a narrow graphitic, undulating bed of shale from 203.5-204, contact apparent dip:53 degrees. The arenite is foliated, biotite rich.						
206.5	208.5	SHALE (SHL) graphitic, dark grey to black with quartz vein with fragments of dark grey shale with elongated white alteration dots.	12204	206.50	208.50	2.00	2875	0.083
208.5	246.5	ARENITE (AR) typical, medium grey with the following intercalations: 211.5-212: grey shale spotted with chlorite alteration dots. 216.5-217.5: grey shale, dotted, some sulph. Po, Aspy 221.5-222: ptygmatic thin quartz vein associated with shale, grey, dotted. In arenite some siliceous sections and occasional large Aspy crystal.	12205	216.50	217.50	1.00	5693	0.150
246.5	251.5	SHALE (SHL) indurated, clear grey, thin (2mm) ptygmatic quartz	12206	246.50	251.50	5.00	190	0.005

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br59

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		vein, also 3" quartz vein with Po,Py also trace sphalerite. Approximately 1% Aspy content.						
251.5	262.0	ARENITE (AR) clear grey, typical, biotite inprint, foliated. Apparent dip of foliation: 65-70 degrees, some large Aspy crystals dissem.						
262.0	263.0	BRECCIA (BRECC.) small fragments, whitish, in arenite						
263.0	283.5	ARENITE (AR) as above with the following: from 263-267: some very thin fissures in arenite: water circulation?, also @ 269 & 272' from 272-273: graphitic dark grey shale with narrow quartz vein @ 278': 1" shale bed						
283.5	307.0	BELT, SHALE, QUARTZ VEIN (BELT, SHL, QV) mixture of graphitic shale, dark grey to black, spotted with chlorite alteration dots, 3% Aspy in shale, and quartz veining with fragments of black shale; ratio 50% qv, 50% shl. @ 302': in quartz vein, 2 dots of VISIBLE GOLD in Aspy	12207	283.50	288.00	4.50	3825	0.057
			12208	288.00	293.00	5.00	785	0.020
			12209	293.00	297.00	4.00	3738	0.100
			12210	297.00	302.00	5.00	5000	0.150
			12211	302.00	307.00	5.00	3127	0.092
307.0	327.0	ARENITE (AR) typical with locally some fine solution fissuring, and with the following intercalations: 310-311: quartz vein and black shale 321-322.2: quartz vein, bull quartz						
327.0	328.1	SHALE, QUARTZ VEIN (SHL, QV) black graphitic shale mixed with quartz veining, some Aspy (1%)	12212	327.00	328.10	1.10	239	0.006
328.1	369.0	ARENITE (AR) typical, siliceous, medium grey, with biotite inprint, foliated, with the following intercalations: from 332-334: thin solution cavities in arenite 334-334.5: shale with pygmatic qtz. vein 338.8-339.1: shale with quartz vein						
369.0	371.1	SHALE (SHL) graphitic dark grey, spotted with chlorite alteration dots, also white alter. dots. Contact @ 369': 50 degrees	12213	369.00	371.10	2.10	175	0.005
371.1	384.5	ARENITE (AR) typical as above with locally some small solution cavities, foliation: 55-60 degrees, and the following interc. 379-379.5: shale, grey, graphitic with quartz vein						
384.5	388.5	SHALE, QUARTZ VEINING (SHL, QV) graphitic shale, dark grey to black with quartz veining containing fragments graphitic black	12214	384.50	388.50	4.00	496	0.015

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br59

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		shale. Aspy content: 2-3%						
388.5	435.0	ARENITE (AR) typical with @ 399': solution cavities over 1' 391-392: intercalation of quartz and graphitic shale. 406-407.5: shale, indurated, grey, spotted with whitish dots 411.5-412.5: graphitic shale spotted with chl. alteration dots with 1-2% Aspy followed by a 6" quartz vein. @ 425': some thin solution cavities in arenite @ 426': foliation apparent dip: 70 degrees to sub-vertical, 430-430.5: shale, grey, spotted with small chlorite dots						
435.0	437.5	SHALE, QUARTZ VEIN (SHL,QV) shale graphitic black over 2" followed by quartz veining containing graphitic shale fragments, very small.	12215	435.00	437.50	2.50	190	0.005
437.5	441.0	ARENITE (AR) typical, with sub-vertical foliation, some narrow intercalated layers of graphitic shale @ 437.5						
441.0	447.5	SHALE (SHL) graphitic, black, the first 1" is really crushed and is followed by 9" quartz vein then by graphitic shale, spotted with chlorite dots, occasional whitish dots also and 1 to 2% Aspy.	12216	441.00	447.50	6.50	201	0.006
447.5	457.0	GREYWACKE (GR) with intercalated layers of graphitic shale, medium grey, generally shaly.						
457.0	462.5	SHALE (SHL) grey to dark grey, spotted with alteration chlorite dots, biotite rich. Apparent angle of contact: 65 degrees, some silty sections. No visible sulphide.	12217	457.00	462.50	5.50	499	0.016
462.5	472.3	ARENITE (AR) typical, medium grey with sub-vertical foliation						
472.3	488.2	SHALE (SHL) grey, dotted with chlorite and white dots, some intercalated beds greywacke type from 476-477 and 477.2-478. Some quartz veins up to 2" thick, only Py coating on some joints, shale is indurated. Only trace of sulphide.	12218 12219 12220 12221	472.30 476.00 481.00 486.00	476.00 481.00 486.00 488.20	3.70 5.00 5.00 2.20	178 22 26 48	0.005 0.000 0.000 0.000
488.2	497.0	GREYWACKE (GR) medium grey, shaly gradational toward Arenite						
497.0	517.2	ARENITE (AR) typical, medium grey, biotite inprint, foliated Apparent dip of foliation: 65 degrees						
517.2	559.0	SHALE, QUARTZ VEIN, BELT (SHL,QV,BELT) graphitic shale, black, fractured, with narrow silty lenses to 521.0	12222 12223	517.20 522.00	522.00 527.00	4.80 5.00	913 2276	0.015 0.034

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		from 521-527: quartz vein with soft graphitic shale "injected" more or less along foliation? sub-vertical	12224	527.00	533.00	5.00	10000	3.570
		327-537: idem above, injection 2cm of black shale, fractured, brecciated @ 530.0	12225	533.00	537.00	4.00	1685	0.051
		537-553: quartz vein with narrow, 1/2", graphitic black shale fragments	12226	537.00	542.00	5.00	244	0.007
		553-559: shale, graphitic, black, fractured, little sulphide	12227	542.00	547.00	5.00	10000	0.320
			12228	547.00	552.00	5.00	245	0.007
			12229	552.00	557.00	5.00	169	0.004
559.0	561.0	BRECCIA (BRECC.) with angular fragments 1-2mm to 2 cm in diameter, recemented in graphitic matrix. Very little sulph. This is a typical breccia. Sample taken.	12230	557.00	561.00	4.00	171	0.005
561.0	567.0	ARENITE (AR) more massive gradational to GREYWACKE with : @ 565': 1" breccia mixed with graphitic shale @ 567': 1" breccia followed by 1" graphitic shale and quartz vein.						
567.0	569.5	GREYWACKE (GR) massive, medium to fine grained, grey.						
569.5	572.5	SHALE (SHL) graphitic, dotted, with quartz veining. Brecciated at end of section.						
572.5	576.0	GREYWACKE (GR) as from 567-569.5 with 1/2" grey shale with quartz vein @ 575'. Brecciated contact at bottom of section.						
576.0	581.0	QUARTZ VEIN, SHL (QV,SHL) quartz veining mixed with black shale graphitic, indurated fragments, also green chlorite in patches, 1-2% Aspy dissem.in shale.	12231	576.00	581.00	5.00	211	0.006
581.0	592.0	GREYWACKE (GR) partly shaly, grey to dark grey.						
592.0	601.0	ARENITE (AR) typical, biotite inprint, medium grey, with sub-vertical foliation.						
601.0	605.0	SHALE, QUARTZ VEINING (SHL,QV) @ 601: irregular contact with graphitic shale and pygmatitic quartz veining. Apparent dip 55 degrees. 601-605: quartz veining with graphitic dotted shale fragments, some Py coating and approx. 1% Aspy, also felspar in qtz. 1 tiny speck of VISIBLE GOLD @ 603'.	12232	601.00	605.00	4.00	176	0.016
605.0	607.5	GREYWACKE (GR) grey, medium grained, massive	12233	605.00	607.50	2.50	166	0.004
607.5	613.5	SHALE (SHL) grey, spotted with whitish dots, indurated, with	12234	607.50	613.50	6.00	696	0.023

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br59

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		quartz veining. No visible sulphide						
613.5	616.0	ARENITE (AR) typical, medium gre.						
616.0	618.5	SHALE (SHL) grey, spotted with chlorite and whitish alteration dots, narrow pygmatic quartz vein, veinlet Cpy, some Aspy.	12235	616.00	618.50	2.50	1416	0.040
618.5	624.2	ARENITE (AR) typical, biotite inprint, foliation near sub-vertical, medium grey with @ 620.5: 1" grey shale.						
624.2	628.5	SHALE (SHL) black, graphitic, with approximately 2% Aspy content, with chlorite elongated dots; associated quartz veining. A narrow 2" more silty bed intercalated.	12236	624.20	628.50	4.30	4611	0.140
628.5	666.5	ARENITE (AR) typical, occasional 1" grey shale bed intercalated, narrow quartz veins increasing to 635'. 635-639: quartz vein, bull quartz. between 637-657: occasional large Aspy crystals in arenite. Foliation apparent dip: sub-vertical.						
666.5	668.5	QUARTZ VEIN (QV) with lenses of shale, dotted, slightly graphitic, some Aspy crystals dissem.						
668.5	748.0	ARENITE (AR) typical, as above, with the following intercalations: 668.5-686: foliation : 80 degrees. Some large Aspy crystals disseminated. 686-688.6: 1 1/2' quartz vein followed by graphitic shale 688.6-692: foliation: 55 degrees. Some large Aspy crystals. 692-695: quartz vein and fragments graph. shale and blebs chlor. 707-707.2: quartz vein and shale 708-709.5: graphitic shale with large Aspy bleb 709.5-748: arenite typical, increase in large Aspy crystals disseminated, foliation is now 50 degrees apparent dip 726-726.8: quartz vein 744-746.5: quartz vein, bull quartz. Near 748: some maced Aspy crystals in arenite.	12237 12238	686.00 692.00	688.50 695.00	2.60 3.00	152 55	0.004 0.000
748.0	752.0	GREYWACKE (GR) passage from arenite to greywacke underlined by graphitic layer of black shale, then greywacke, grey, shaly to 752'.						
752.0	758.0	QUARTZ VEIN, SHALE (QV,SHL) quartz veining with lens of dotted grey shale, with large blebs of Po dissem.	12239	752.00	758.00	6.00	44	0.000

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br59

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
758.0	770.0	ARENITE (AR) typical with dissem. Aspy with a narrow irregular layer of graphitic shale near contact. Also the following intercalations: 753.5-766.8: quartz veining with black shale fragments mixed with quartz and lenses. 766.8-770: arenite bleached, grey pinkish in colour.						
770.0	800.5	BELT, SHALE, QUARTZ VEIN (BELT, QV,SHL) graphitic black shale, spotted with chlorite alteration dots, micro-faulting at contact with a greywacke type bed. Approximately 2% Aspy content, to 778.5. 778.5-780.5: intercalated arenite type bed, foliated, grey 780.5-800.5: black graphitic shale, with elongated whitish dots, also chlorite dots, mixed with quartz veining, some narrow silty sections. @ 800': ptygmatic 2mm quartz vein with veinlet Po, Cpy.	12240	770.00	775.00	5.00	853	0.027
			12241	775.00	778.50	3.50	87	0.000
			12242	778.50	780.50	2.00	37	0.000
			12243	780.50	786.00	5.50	33	0.000
			12244	786.00	791.00	5.00	35	0.000
			12245	791.00	796.00	5.00	29	0.000
			12246	796.00	800.50	4.50	38	0.000
800.5	888.5	ARENITE (AR) medium grey, biotite inprint, foliated. Apparent dip of foliation: 50 degrees at 820'. 55 degrees at 880'. @ 805.5: 6" quartz vein arenite bleached @ 815' large Aspy crystal @ 829, then becoming siliceous, typical 857-859: large Aspy crystals, some solution cavities 859-871: arenite partly bleached, solution fissures @ 868 871-875: shale, grey, indurated, partly graphitic, elongated whitish alteration dots, ptygmatic quartz vein, trace Py, intercalated in arenite.						
888.5	897.0	BELT, QUARTZ VEINING, SHALE (BELT, Q.V.,SHL) quartz veining mixed with graphitic shale, dark grey to black, containing from 3 to 4% Aspy.	12247	888.50	892.50	4.00	1700	0.026
			12248	892.50	897.00	4.50	1284	0.019

END OF HOLE: 897.0'

BR-59



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-144/03/7893

Date: July 20, 1988

Received 126 Samples of Drill Core

Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. R. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
12234	696 .023	12254	8997 .27
12235	1416 .040	12255	2214 .069
<i>BR59</i> 12236	4611 .14	12256	831 .023
12237	152	12257	1895 .054
12238	55	12258	285
12239	44	12259	55
12240	853 .027	12260	51
12241	87	12261	764 .021
12242	37	12262	2017 .054
12243	33	12263	214
12244	35	12264	46
12245	29	12265	41
12246	38	12266	158
12247	1700 .026	12267	15
12248	1284 .019	12268	14
12249	161	12269	3594 .053
<i>BR61</i> 12250	996 .016	12270	177
<del>BR60</del> 12251	4391 .13	12271	70
12252	3109 .048	12272	22
12253	6050 .18	12273	39

ASSAYERS (ONTARIO) LIMITED

Per J. van Engelen Mgr.



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
 HOLE No.: br60  
 Collar Eastings: 1809.00  
 Collar Northings: 188.60  
 Collar Elevation: 5.47

Collar Inclination: -90.00  
 Grid Bearing: 360.00  
 Final Depth: 707.00 feet

Logged by: KAN RJD  
 Date: August 1988  
 Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	27.0	CASING (QB)						
27.0	59.0	ARENITE (AR), typical, bleached with iron brown staining on joints to 46', then grey to medium grey in colour, biotite inprint, foliated. Apparent dip of foliation: 70 degrees						
59.0	63.0	No core: rock grinded						
63.0	140.0	ARENITE (AR) typical, siliceous, medium grey NG to 98.0'						
140.0	142.8	QUARTZ VEIN (QV) bull quartz						
142.8	222.2	ARENITE with large QUARTZ VEINS (AR,QV), arenite is typical with numerous small Aspy crystals disseminated; with from 150.5-154.0: QUARTZ VEIN, bull quartz from 155.5-161.0: QUARTZ VEIN, bull quartz. from 163.0-163.5: QUARTZ VEIN, bull quartz from 167.1-169.0: QUARTZ VEIN, bull quartz from 187.5-188.0: QUARTZ VEIN, bull quartz Apparent dip of foliation: 70 degrees from 200.5-209.0: QUARTZ VEIN, bull quartz with some chlorite 209.0-212.1: massive ARENITE with some pseudo-porphyroblasts of Aspy 212.1-222.2: QUARTZ, massive bull quartz with occasional chlorite.	13000	200.50	205.00	4.50	21	0.000
			13001	205.00	209.00	4.00	50	0.000
			13002	209.00	212.10	3.10	91	0.000
			13003	212.10	217.00	4.90	76	0.000
			13004	217.00	222.20	5.20	8	0.000
222.2	248.1	BELT: SHALE & QUARTZ VEINING (BELT: SHL,QV) black graphitic shale with approximately 2% Aspy content to 223.0, followed by same shale mixed with quartz veining :ratio 70 % quartz, 30% shale with an Aspy content 2 to 3% to 239.8. From 239.8-248.1: black graphitic shale with good dissemination of Aspy :3 to 5%. Also some large crystals of Aspy associated. Apparent dip of contact with arenite @ 248.1: 65 degrees	13005	222.20	228.00	5.80	671	0.020
			13006	228.00	233.00	5.00	178	0.005
			13007	233.00	238.00	5.00	357	0.010
			13008	238.00	243.00	5.00	1854	0.054
			13009	243.00	248.10	5.10	1490	0.044
248.1	258.0	ARENITE (AR) typical, massive with some large porphyroblasts of Aspy.						
258.0	265.0	SHALE (SHL) black, graphitic, with between 2-3% Aspy content.	13010	258.00	262.00	4.00	886	0.027
			13011	262.00	265.00	3.00	374	0.000

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br60

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
265.0	277.5	ARENITE (AR) as above with few Aspy crystals and some narrow quartz veins.						
277.5	279.5	SHALE (SHL) recrystallized, graphitic shale, finely brecciated bedding is sub-vertical.						
279.5	283.5	ARENITE (AR) typical, massive						
283.5	285.3	SHALE (SHL) black graphitic recrystallized with 10 cm quartz vein sub-vertical						
285.3	287.5	ARENITE (AR) as above.						
287.5	292.0	GREYWACKE (GR) shaly, with some undulating lenses						
292.0	314.2	ARENITE (AR) typical, quite massive with several narrow intercalations of silty, recrystallized shale beds						
314.2	316.8	GREYWACKE (GR) spotted, shaly with a 1 ft. quartz vein						
316.8	386.0	ARENITE (AR) typical, quite massive and becoming well foliated after 335'. Occasional large porphyroblasts of Aspy. from 320.4-322: quartz vein practically parallel to core. Arenite more finely foliated from 379 onward						
386.0	404.6	GREYWACKE (GR) finely bedded, with some intercalated shaly beds, Quartz veins :3" @ 400' and 5" @ 403'.						
404.6	421.5	BELT: SHALE, QUARTZ VEIN (BELT:SHL,QV) black graphitic shale with 5% Aspy and quartz veining. Ratio :20 % quartz veining, 80% shale. Quartz veining is scattered throughout and there is some feldspar inclusions.	13012	404.60	410.00	5.40	98	0.000
			13013	410.00	414.50	4.50	1310	0.039
			13014	414.50	418.00	3.50	479	0.015
			13015	418.00	421.50	3.50	551	0.017
421.5	443.0	ARENITE (AR) typical, medium grey, biotite inprint, well foliated.						
443.0	445.0	SHALE (SHL) spotted by chlorite alteration dots, 1" quartz vein parallel to core, bedding contact is also parallel to core ie.: apparent bedding: quasi sub-vertical.						
445.0	448.0	ARENITE (AR) generally quite massive, some Aspy crystals diss.						
448.0	452.5	SHALE (SHL) dark wavy, spotted shale with trace Po and Cpy, with quartz vein from 448.5 to 451.0	13016	448.00	452.50	4.50	436	0.013

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br60

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
452.5	462.0	GREYWACKE (GR) silty and shaly, wavy foliation, shaly beds contain dark chlorite dots. Narrow quartz veins.						
462.0	479.0	ARENITE (AR) typical, biotite inprint, foliated, medium grey Solution cavities @ 477.3. Becoming more wavy at end of section						
479.0	487.8	QUARTZ VEIN (QV) with black shla fragments and from 487.3, black graphitic shale containing approximately 5% Aspy.	13017 13018	479.00 484.00	484.00 487.80	5.00 3.80	375 1004	0.010 0.033
487.8	493.0	GREYWACKE (GR) massive with chlorite spots and also some large porphyroblasts of Aspy. At the beginning of section small Aspy crystals disseminated.						
493.0	527.0	Alternation of GREYWACKE and silty SHALE (GR/SHL) recrystallized, spotted with wavy foliation.						
527.0	547.0	ARENITE (AR) typical, medium grey with numerous porphyroblasts of Aspy						
547.0	565.0	SHALE, QUARTZ VEINING (SHL,QV) Fragments of black shale, quartz veining about 10%, gradational to black shale containing approximately 3 to 4% Aspy, occasionally up to 8%, to 557.6, then back to quartz veining with black shale fragments.	13019 13020 13021 13022	547.00 552.00 557.60 563.00	552.00 557.60 563.00 565.00	5.00 5.60 5.40 2.00	90 1055 214 175	0.000 0.033 0.006 0.005
565.0	572.0	ARENITE (AR) typical						
572.0	574.0	SHALE (SHL) dark grey to black recrystallized shale with dark chlorite alteration dots.						
574.0	628.0	ARENITE (AR) typical, foliated but bleached from 574 to 597', more grey pinkish in colour. From 597-598.5: quartz vein with inclusions of green chlorite and 0.5 ft. grey shale with 2% Aspy.	13023	597.00	598.50	1.50	26	0.000
628.0	631.0	SHALE (SHL) dark, recrystallized shale with one narrow pygma-tic quartz vein.	13024	628.00	631.00	3.00	169	0.005
631.0	639.0	GREYWACKE (GR) alternating with narrow silty shale beds.						
639.0	645.5	QUARTZ VEIN, SHALE (QV,SHL) fractured zone in dark silty shale with quartz vein, followed by quartz vein with black shale fragments to 644.0, then black recrystallized shale with alteration dots of dark chlorite.	13025 13026 13027	639.00 641.00 644.00	641.00 644.00 645.50	2.00 3.00 1.50	54 43 18	0.000 0.000 0.000

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br60

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
645.5	657.3	GREYWACKE (GR) alternating with narrow silty shale beds as from 631.0-639.0						
657.3	707.0	ARENITE (AR) typical, well foliated, locally bleached, and also with solution cavities: water circulation @ 689-691, and 697-707. Quartz vein with chlorite from 696.5-697 and 697.2-697.5.  END OF HOLE @ 707.0'						

BR-60



# ASSAYERS (ONTARIO) LIMITED

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FAX (416) 239-4012

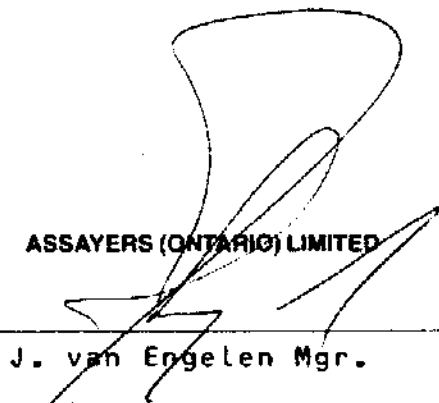
## Certificate of Analysis

Certificate No. NX-144/04/7893 Date: July 20, 1988  
Received \_\_\_\_\_ 126 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Inc. Mr. R. Dehenne

Sample No.	Au ppb/oz/ton
12274	91
12275	49
12276	79
<i>BR 61</i> 12277	246
12278	90
12279	248
12280	538 .080

\* FREE GOLD METHOD

ASSAYERS (ONTARIO) LIMITED

Per   
J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br61

Collar Eastings: 1318.90

Collar Northings: 149.28

Collar Elevation: 11.40

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 795.00 feet

Logged by: RJD KAN

Date: July 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	36.0	CASING (CB)						
36.0	51.0	ARENITE (AR) typical, bleached, greyish, iron staining covering joints. Foliated: apparent dip of foliation :70 degrees.						
51.0	53.0	QUARTZ VEIN (Q.V) with black graphitic shale fragments, large blebs of Aspy.						
53.0	61.0	ARENITE (AR) as above with quartz vein from 57.0-57.5.						
61.0	63.5	SHALE (SHL) graphitic, dark grey with thin mm thick ptigmatic quartz veins, approximately 2% Aspy content						
63.5	82.0	GREYWACKE, shaly (GR, shly) grey, with beds of shale, dotted, with whitish carb. dots, alternating with more massive greywacke type beds.						
82.0	89.5	ARENITE (AR) typical, well foliated, biotite inprint, clear grey. Foliation sub-vertical.						
89.5	94.5	GREYWACKE (GR) as above, shaly, apparent dip at contact with shale : 30 degrees.						
94.5	99.0	SHALE (SHL) grey, spotted with white carb. alteration dots, some quartz veining, less than 1% Aspy.	12249	94.50	99.00	4.50	161	0.005
99.0	116.0	GREYWACKE (GR) shaly, as described above.						
116.0	137.0	ARENITE (AR) typical, with biotite inprint, medium grey, foliated, sub-vertical foliation.						
137.0	142.0	GREYWACKE (GR), alternation of narrow beds of shale with whitish alteration dots and more masive, greywacke type beds.						
142.0	178.0	BELT: SHALE, QUARTZ VEINING (BELT: SHL,QV)	12250	142.00	146.00	4.00	996	0.016
		from 142-48: shale graphitic, dark grey to black, dotted, several narrow quartz veins, approximately 2% Aspy content.	12251	146.00	150.00	4.00	4391	0.130
		Contact is irregular: apparent dip 70 degrees, graphitic shale layer approx. 1cm and some silty beds 2 cm thick.	12252	150.00	155.00	5.00	3109	0.048
		148.0-167.0: quartz veining with some black graphitic shale fragments, some Aspy.	12253	155.00	160.00	5.00	6050	0.180
			12254	160.00	165.00	5.00	8997	0.270
			12255	165.00	170.00	5.00	2214	0.069
			12256	170.00	175.00	5.00	831	0.023
			12257	175.00	178.00	3.00	1895	0.054

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br61

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		167.0-178.0: quartz veins with large lenses of dark grey to black graphitic shale containing 2 to 3% Aspy.						
178.0	217.8	ARENITE (AR) typical with several 1 to 3" quartz veins, Aspy crystals disseminated, some macled, medium grey. Foliation sub-vertical, with: 197-189: quartz vein with intercalated lenses of black graphitic shale containing up to 3% Aspy. 193-194.5: quartz vein with several Aspy crystals disseminated. 206.5-207.5: quartz vein, bull quartz. from 217-217.8: numerous aspy crystals disseminated .	12258	187.00	189.00	2.00	285	0.007
217.8	231.0	BELT: QUARTZ VEIN, SHALE (BELT: QV, SHL): quartz vein with small graphitic black shale fragments associated to 222.5 From 222.5-231.0: shale, graphitic, dark grey, spotted with white alteration dots, biotite rich, containing 2-3% Aspy, some pygmatic thin quartz veins. Layering apparent dip: 30 degrees.	12259	217.80	222.50	4.70	55	0.000
			12260	222.50	227.00	4.50	51	0.000
			12261	227.00	231.00	4.00	764	0.021
231.0	235.4	ARENITE (AR) typical, as described above.						
235.4	250.0	BELT: SHALE, QUARTZ VEIN (BELT: SHL, QV) shale graphitic, dark grey chlorite dots, pygmatic thin quartz veining, 3-4% Aspy content, to 236.9 from 236.9-237.2: graywacke type bed intercalated, massive, grey 237.2-249.5: quartz vein with rare black shale fragments 249.5-250.0: black graphitic shale, silty, with approx. 5% Aspy	12262	235.40	237.00	1.60	2017	0.054
			12263	237.00	242.00	5.00	214	0.006
			12264	242.00	247.00	5.00	46	0.000
			12265	247.00	250.00	3.00	41	0.000
250.0	262.0	ARENITE (AR) typical, 75 degrees foliation, with from 260-261.2 quartz vein, bull quartz.						
262.0	267.2	SHALE (SHL) graphitic, dark grey, spotted with white dots, some beds very silty. Associated with quartz veining containing black graphitic shale fragments. Ratio 50/50 between quartz and shale. 2 to 3% Aspy in shale.	12266	262.00	267.20	5.20	158	0.004
267.2	347.1	ARENITE (AR) typical, medium grey, foliation sub-vertical to 323', then undulating, apparent dip: 60 degrees. from 274.2-288.0: quartz vein, rare blebs of graphitic shale, some large Aspy crystals. 323.0-327.4: quartz vein with some large Aspy crystals.	12267	274.20	279.00	4.80	15	0.000
			12268	279.00	284.00	5.00	14	0.000
			12269	284.00	288.00	4.00	3594	0.053
347.1	352.0	GREYWACKE (GR) shaly intercalations with white alteration dots, silty, pygmatic 1/2 cm quartz veining, 2 to 3% Aspy.	12270	347.10	352.00	4.90	177	0.005



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br61

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
352.0	372.5	BELT, QUARTZ VEIN, SHALE (BELT: QV, SHL) mostly quartz veining, narrow lenses of graphitic, black shale, spotted with white carbonate alter. dots, also chlorite dots. Large bleb chlorite Ratio : 80 % quartz, 20% shale to 364.0 From 364-372.5: Shale, graphitic, dark grey, silty with quartz veining. Ratio : 90 % shale, 10 % quartz	12271	352.00	357.00	5.00	70	0.000
			12272	357.00	362.00	5.00	22	0.000
			12273	362.00	367.00	5.00	39	0.000
			12274	367.00	372.50	5.50	91	0.000
372.5	383.0	ARENITE (AR) typical.						
383.0	385.6	QUARTZ VEIN (QV) with Py, Aspy and fragments graphitic shale with white dots.						
385.6	401.0	ARENITE (AR) typical, biotite inprint, medium grey, foliation apparent dip: 65 degrees						
401.0	404.5	SHALE (SHL) graphitic, partly indurated, small chlorite spots, quartz veining, 1% sulph. Contact apparent dip @ 401': 70 degrees.						
404.5	411.5	ARENITE (AR) typical, medium size Aspy crystals disseminated						
411.5	421.0	SHALE (SHL) Quartz vein over 9", followed by graphitic black shale containing up to 2% Aspy. Apparent dip of schistosity is 30 degrees.	12275	411.50	417.00	5.50	49	0.000
			12276	417.00	421.00	4.00	79	0.000
421.0	459.5	ARENITE (AR) typical, well foliated :65-70 degrees apparent dip, some Aspy pseudo-porphyroblasts. Folded near quartz vein						
459.5	462.5	QUARTZ VEIN (QV), bull quartz						
462.5	560.0	ARENITE (AR) typical, between 493-500: thin layers of graphitic shale intercalated @ 512': a 3" quartz vein @ 517': 60 degrees apparent dip of foliation. from 512' onward: some sections partly bleached, pink grey in colour from 540.5-544, 548-551.5: quartz veins: bull quartz, barren.						
560.0	567.0	GREYWACKE (GR) generally massive, medium to fine grained, grey with intercalated narrow :1/2 cm layers of graphitic shale. At the end of section, 1' dotted grey shale bed. Locally Aspy crystals. From 562-563.8: quartz vein, bull quartz.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br61

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
567.0	619.0	ARENITE (AR) typical, medium grey, foliated with the following intercalations: 586.3-589.5: Shale, grey, spotted with whitish alt. dots, quartz vein, trace Aspy, Py @ 599.5: 1" dotted shale, thin mm ptigmatic quartz vein @ 610: 1" shale, grey, dotted @ 615': apparent dip of foliation: 30 degrees						
619.0	637.2	BELT, SHALE, QUARTZ VEIN (BELT: SHL, QV) shale, grey, partly graphitic, spotted with white alt. dots, less 1% Aspy. 631.5-633: quartz veining with chlorite blebs and fragments black graph. shale, then back to shale as above.	12277	619.00	624.00	5.00	246	0.007
			12278	624.00	629.00	5.00	90	0.000
			12279	629.00	634.00	5.00	248	0.007
			12280	634.00	637.20	3.20	538	0.080
637.2	655.0	ARENITE (AR) typical.						
655.0	665.0	GREYWACKE (GR) generally massive, grey, but some narrow shaly intersections						
665.0	669.0	QUARTZ VEIN (QV) with lenses of grey shale, with whitish dots, schistosity in shale: 30 degrees apparent dip. Ratio shale/qv: 50/50.						
669.0	682.0	SHALE (SHL) indurated, grey, elongated alter. dots, no visible sulphide.						
682.0	687.0	GREYWACKE (GR) massive, grey.						
687.0	692.0	SHALE (SHL) as above, indurated, grey, no visible sulph.						
692.0	748.0	ARENITE (AR) typical, siliceous, medium grey bleached light grey from 727 onward. Some solution fissures @ 727.5						
748.0	769.0	GREYWACKE (GR) generally massive, grey with the following intersection: 748-749.5: quartz veining with chlorite and lenses of grey shale with small chlorite dots. 761-762.5: quartz veining with lenses grey shale, chlorite dots						
769.0	795.0	ARENITE (AR) typical, foliated. Apparent dip of foliation: 50 degrees.  END OF HOLE @ 795.0.						

BR-61



# ASSAYERS ONTARIO LABORATORIES

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FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-151/03/8132 Date: September 21, 1988  
Received 208 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. Raymond J. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13165	180	13185	154
13166	166	13186	91
13167	1208 .041	13187	16
13168	1562 .044	13188	>10000 .38
13169	693 .021	13189	* .11
13170	54	13190	561 .018
13171	56	13191	183
13172	2517 .066	13192	86
13173	32	13193	29
13174	153	BR 13194	756 .021
13175	149	13195	243
13176	857 .021	13196	2456 .077
13177	36	13197	1452 .043
13178	480 .014	13198	1011 .028
13179	35	13199	7630 .24
13180	22	13200	2634 .081
13181	58	13201	1536 .050
13182	261	13202	1352 .045
13183	41	13203	1303 .039
13184	76	13204	3801 .11

ASSAYERS ONTARIO LABORATORIES

Per J. van Engelen Mgr.



# ASSAYERS ONTARIO LABORATORIES

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

FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-151/04/ 8132 Date September 21, 1988  
Received 208 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Att'n: Mr. Raymond J. Dehenne

BRG2

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13205	2502 .073	13225	5247 .16
13206	6412 .19	13226	1442 .039
13207	2744 .087	13227	3763 .11
13208	1254 .034	13228	241
13209	198	13229	50
13210	* .049	13230	209
13211	157	13231	209
13212	808 .024	13232	151
13213	89	13233	99
13214	959 .026	13234	64
13215	238	13235	5971 .16
13216	497 .015	13236	775 .022
13217	201	13237	1687 .052
13218	2068 .061	13238	1900 .062
13219	3271 .088	13239	1261 .042
13220	221	13240	9121 .27
13221	225	13241	2675 .073
13222	* .059	13242	561 .015
13223	1644 .045	13243	191
13224	971 .030	13244	198

ASSAYERS ONTARIO LABORATORIES

Per   
J. van Engelen Mgr.



# ASSAYERS ONTARIO LABORATORIES

A DIVISION OF ASSAYERS CORPORATION LTD.

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

FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-148/01/8041

Date: August 26, 1988

Received August 22, 1988 55 Samples of Drill Core

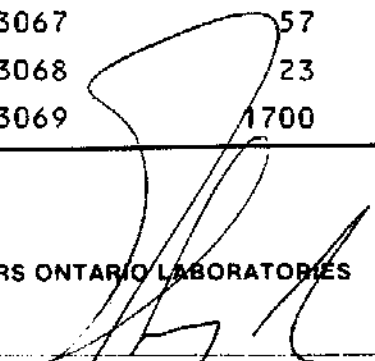
Submitted by Narex Ore Search Consultants Inc. Att'n: Dr. Naert

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13030	230	13050	37
13031	400 .013	13051	96
13032	276	13052	20
13033	326	13053	2760 .079
13034	239	13054	1476 .042
13035	221	13055	49
13036	249	13056	25
13037	689 .019	13057	1121 .030
13038	373	13058	82
13039	446 .012	13059	31
13040	84	13060	41
13041	213	13061	1313 .039
13042	239	13062	207
13043	45	13063	47
13044	155	13064	65
13045	31	13065	34
13046	74	13066	203
13047	64	13067	57
13048	361	13068	23
13049	164	13069	1700 .048

BR 63

ASSAYERS ONTARIO LABORATORIES

Per

  
J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br62

Collar Eastings: 1655.18

Collar Northings: 119.75

Collar Elevation: 4.79

Collar Inclination: -90.00

Grid Bearing: 270.00

Final Depth: 977.00 feet

Logged by: RJD KAN

Date: August 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Agppb Au oz/t	
0	50.0	CASING (CB)						
50.0	60.0	ARENITE (AR) typical, bleached, with sub-vertical foliation, occasional Aspy crystals dissem.						
60.0	100.0	BELT, QUARTZ VEIN, SHALE (BELT, Q.V., SHL) 3" quartz vein followed by silty, dotted black shale, becoming graphitic @ 64' From 64-100: graphitic shale with 3% Aspy content, locally up to 5%, associated with quartz veining. Ratio: 15 % q.v., 85% shale. From 77 to 78': 7 % Aspy content.	13194 13195 13196 13197 13198 13199 13200 13201 13202 13203 13204 13205 13206	60.00 63.00 66.00 69.00 72.00 75.00 78.00 81.00 84.00 87.00 90.00 93.00 96.00	63.00 66.00 69.00 72.00 75.00 78.00 81.00 84.00 87.00 90.00 93.00 96.00	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 2.00	756 242 2456 1452 1011 7630 2634 1536 1352 1303 3801 2502 6412	0.021 0.008 0.077 0.043 0.028 0.240 0.081 0.050 0.045 0.039 0.110 0.073 0.190
100.0	122.0	ARENITE (AR) typical, undulating foliation sub-vertical to 60 degrees apparent dip. from 120.5-121.5: quartz vein	13207	98.00	100.00	2.00	2744	0.087
122.0	126.8	QUARTZ VEIN (Q.V.) with one large Aspy crystal @ 126.2	13208	122.00	125.00	3.00	1254	0.034
126.8	131.5	SHALE (SHL) clear grey, with lenses of quartz veining @ 131.0': one dot of VISIBLE GOLD in quartz	13209 13210	125.00 128.00	128.00 131.00	3.00 3.00	198 1500	0.006 0.049
131.5	150.0	ARENITE (AR) typical, undulating foliation, sub-vertical to 70 degrees 147.5-148.5: quartz vein 149.3-149.6: quartz vein						
150.0	177.0	BELT: QUARTZ VEIN, SHALE (BELT: Q.V., SHL) from 150-153: quartz vein, followed from 153-177: by graphitic shale, mixed with quartz veining, elongated whitish dots, 2-5% Aspy, intercalated more silty beds from 163-165.	13211 13212 13213 13214 13215 13216 13217 13218 13219	150.00 153.00 156.00 159.00 162.00 165.00 168.00 171.00 174.00	153.00 156.00 159.00 162.00 165.00 168.00 171.00 174.00 177.00	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	157 808 89 959 238 497 201 2068 3271	0.005 0.024 0.002 0.026 0.007 0.015 0.006 0.061 0.088

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DIAMOND DRILL LOG

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Auppb Au oz/t	
177.0	184.7	ARENITE (AR) typical, some large Aspy crystals dissem.						
184.7	204.0	BELT, QUARTZ VEIN, SHALE (BELT: QV,SHL) to 186.7 quartz vein with small fragments of black graphitic shale intercalated. 186.7-188: black graphitic shale with 3% Aspy content 188-190: shale more silty, dark grey, greywacke type 190-204: shale graphitic spotted with elongated whitish dots, mixed with quartz veining, some large Aspy crystals in quartz @ 192': VISIBLE GOLD in thin 2mm quartz vein in graphitic shale. From 201 onward shale becoming very silty with narrow quartz veins.	13220	184.70	187.00	2.30	221	0.007
			13221	187.00	190.00	3.00	225	0.007
			13222	190.00	193.00	3.00	1800	0.059
			13223	193.00	196.00	3.00	1644	0.045
			13224	196.00	199.00	3.00	971	0.030
			13225	199.00	201.00	2.00	5247	0.160
			13226	201.00	204.00	3.00	1442	0.039
		At 201.0: end of NQ.						
204.0	209.2	ARENITE (AR) typical, grey, 2" quartz vein @ 207'.						
209.2	210.7	SHALE (SHL) graphitic black with quartz vein.	13227	209.20	210.70	1.50	3763	0.110
210.7	261.0	ARENITE (AR) idem above, typical with the following intercalations: @ 212': 1" quartz vein with Po. 218-219.5: quartz vein with associated feldspar. 220.5-225.7: quartz vein, corroded, with Aspy and fragments of black graphitic shale @ 230: 1" quartz vein Foliation in arenite: 70 degrees apparent dip. 243.5 : 1" quartz vein 251.0-253.5: quartz vein with blebs Po, small graph. shale fragments, layer of graphitic shale intercalated 253.5	13228	220.50	225.70	5.20	241	0.008
			13229	251.00	253.50	2.50	50	0.001
261.0	268.0	QUARTZ VEIN (Q.V) with graphitic blebs, rich graphitic shale lenses with up to 5% Aspy, bleb Po in quartz vein	13230	261.00	264.00	3.00	209	0.007
			13231	264.00	268.00	4.00	209	0.007
268.0	279.5	ARENITE (AR) typical, grey, foliated, with some large Aspy crystals, some macled. From 272-273: quartz vein						
279.5	289.5	QUARTZ VEIN (QV)	13232	279.50	284.00	4.50	151	0.005
			13233	284.00	289.50	5.50	99	0.003
289.5	307.1	ARENITE (AR) typical						
307.1	309.1	SHALE (SHL) bed of graphitic shale with associated quartz veining, 2% Aspy.	13234	307.10	309.10	2.00	64	0.002

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Auppb	Au oz/t
309.1	326.8	ARENITE (AR) typical, grey to dark grey, well foliated sections, foliation 70 degrees apparent dip, with the following intercalations: 316.5-317.5: grey shale bed with quartz veining @ 320: ptigmatic quartz vein in 1" grey shale bed						
326.8	357.0	BELT: SHALE, QUARTZ VEIN (BELT: SHL, QV) graphitic shale spotted with chlorite dots, 3-4% Aspy. Associated quartz veining Ratio: 40% QV, 60% SHL	13235	326.80	332.00	5.20	5971	0.160
			13236	332.00	337.00	5.00	775	0.022
			13237	337.00	342.00	5.00	1687	0.052
			13238	342.00	347.00	5.00	1900	0.062
			13239	347.00	352.00	5.00	1261	0.042
13240	352.00	357.00	5.00	9121	0.270			
357.0	359.0	ARENITE (AR) typical						
359.0	362.0	SHALE (SHL) graphitic shale, black to dark grey, with quartz veining, 3-4% Aspy.	13241	357.00	362.00	5.00	2675	0.073
362.0	372.5	ARENITE (AR) typical, grey						
372.5	376.0	QUARTZ VEIN (QV), bull quartz, with two large blebs Aspy	13242	372.50	376.00	3.50	561	0.015
376.0	386.0	ARENITE (AR) typical, large Aspy crystals, some macled Medium grey, foliation sub-vertical, some blebs Po						
386.0	389.2	QUARTZ VEIN (QV) bull quartz						
389.2	403.5	ARENITE (AR) typical, as above @ 396.0: 1" quartz vein						
403.5	406.0	QUARTZ VEIN, SHALE (QV, SHL) quartz vein with inclusions of black graphitic shale	13243	403.50	406.00	2.50	191	0.006
406.0	414.5	ARENITE (AR) typical, foliated, large Aspy crystals dissem.						
414.5	416.8	QUARTZ VEIN, SHALE (QV, SHL) quartz veining with associated black graphitic shale, a 3mm ptigmatic quartz vein	13244	414.50	416.80	2.30	198	0.006
416.8	420.0	ARENITE (AR) typical, large 2cm Aspy blebs, foliation 60 to 70 degrees apparent dip.						
420.0	447.8	BELT: QUARTZ VEIN, SHALE (BELT: QV, SHL) quartz vein over 18" followed by black graphitic shale containing up to 3% Aspy	13245	420.00	425.00	5.00	382	0.010
			13246	425.00	430.00	5.00	183	0.006

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Auppb	Au oz/t
				FROM	TO	WIDTH		
		Ratio: 60% QV, 40% SHL. From 444.9-446: silty bed intercalated: apparent dip 60 degrees @ 433': 2" massive Aspy in quartz with fragments of shale containing elongated dots.	13247	430.00	435.00	5.00	245	0.008
			13248	435.00	440.00	5.00	1018	0.034
			13249	440.00	445.00	5.00	625	0.022
			13250	445.00	447.80	2.80	1709	0.050
447.8	455.0	GREYWACKE (GR) medium grained, dark grey, gradational to arenite, with some shaly lenticular lenses intercalated.						
455.0	480.0	ARENITE (AR) typical						
480.0	481.0	SHALE (SHL) grey, ptigmatic 1mm quartz vein.						
481.0	485.8	GREYWACKE (GR) with neticular shaly layers intercalated.						
485.8	487.0	QUARTZ VEIN (QV)						
487.0	500.6	GREYWACKE (GR) medium to fine grained, some large maced Aspy crystals, less foliated, grey						
500.6	502.5	QUARTZ VEIN (QV) following the foliation						
502.5	504.5	ARENITE (AR) typical						
504.5	506.5	QUARTZ VEIN (QV) with some grey shale associated, also following the foliation.						
506.5	527.0	ARENITE (AR) typical with some narrow quartz veins. Some medium sized Aspy crystals dissem. Well foliated, medium grey.						
527.0	533.0	QUARTZ VEIN (QV) with black graphitic fragments, Po, Cpy. Also some grey shale lenses.	13251	527.00	533.00	6.00	89	0.002
533.0	586.0	ARENITE (AR) typical, medium grey, numerous small Aspy crystals disseminated, foliation: 80 degrees apparent dip; with the following intersections: 537.0-538.8: quartz vein with small black graphitic fragments 579.5-580.5: grey shale bed with quartz veining intercalated	13252	537.00	538.80	1.80	85	0.002
586.0	595.5	SHALE (SHL) indurated undulating gray shale with comb-like whitish alteration. Bed of grey shale is following foliation						
595.5	612.0	GREYWACKE (GR) fine grained, massive bedding.						
612.0	617.0	ARENITE (AR) foliated, sub-vertical foliation, typical						

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DIAMOND DRILL LOG

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Auppb Au oz/t	
617.0	622.0	SHALE-ARENITE (SHL-AR) 1/2 core grey shale indurated and arenite typical on the other 1/2, contact follows foliation						
622.0	636.9	SHALE (SHL) indurated, undulating with thin layers of more silty material, following sub-vertical foliation @ 631': 2" quartz vein.						
636.9	647.2	BELT:QUARTZ VEINING, SHALE (BELT:QV,SHL) quartz veining with blebs and lenses of black graphitic shale containing approx. 3%  645.2-647.2: layers of more silty shale alternating with irreg. layers of graphitic shale	13253	636.90	641.00	4.10	163	0.005
			13254	641.00	645.20	4.20	704	0.022
647.2	650.5	ARENITE (AR) typical						
650.5	652.2	SHALE (SHL) graphitic, dark grey, associated with quartz veining, dots of chlorite, 3-4% Aspy.	13255	650.50	652.20	1.70	654	0.019
652.2	676.0	ARENITE (AR) typical with the following intercalations: 656.6-657.2: graphitic shale with intercalated layers of indur. more silty shale, also quartz veining 663-666.8: quartz vein with lenses silty greywacke type, small Aspy crystals.						
676.0	686.7	BELT (BELT) quartz veining with lenses of black graphitic shale, some silty layers, dots of chlorite, some Py.	13256	676.00	681.00	5.00	3208	0.093
			13257	681.00	686.70	5.70	565	0.020
686.7	704.0	ARENITE (AR) typical						
704.0	716.0	BELT, SHALE, QUARTZ VEIN (BELT: SHL,QV) black graphitic shale spotted with elongated chlorite dots, with 4-5% Aspy content associated with quartz veining containing blebs black graphitic shale and chlorite. Ratio: 20% QV, 80% SHL.	13258	704.00	708.00	4.00	241	0.008
			13259	708.00	712.00	4.00	246	0.008
			13260	712.00	716.00	4.00	1898	0.120
716.0	794.5	ARENITE (AR) typical with the following intercalations: @ 716.2: 1" black shale with some Aspy @ 716.8: 1" black shale with Aspy 725.5-729.2: quartz vein with fragments black graph. shale containing 2% Aspy. 767.5-769.0: quartz vein followed by shale, grey 782.3-783.0: grey shale, dotted.	13261	725.50	729.20	3.70	386	0.010
794.5	798.5	SHALE (SHL) indurated, grey, spotted with elongated whitish						

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DIAMOND DRILL LOG

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH	Auppb	Au oz/t
		alteration dots, with 6" quartz vein						
798.5	850.0	ARENITE (AR) typical but with some more massive sections, foliation : 60 degrees apparent dip between 806-809: more massive, some carbonate lenticular fragments 841.7-842.5: quartz vein with grey shale spotted with carbonate white dots, trace Py (film) on joints						
850.0	855.0	SHALE (SHL) grey, with associated quartz veining, trace Aspy.	13262	850.00	855.00	5.00	182	0.006
855.0	860.0	GREYWACKE (GR) grey, massive beds.						
860.0	867.0	SHALE (SHL) grey, indurated, undulating, thin comb-like elongated whitish alteration						
867.0	868.0	GREYWACKE (GR) as above						
868.0	873.0	ARENITE (AR) typical						
873.0	888.0	SHL, GREYWACKE (SHL, GR) alternation of indurated grey shale and massive greywacke beds 887.0-887.5: quartz vein	13263	875.60	878.00	2.40	78	0.002
888.0	925.0	ARENITE (AR) typical, undulating foliation: 60 to 80 degrees apparent dip, medium grey. From 916-918.5: quartz vein with indurated silty shale.	13264 13265	916.00 921.00	921.00 925.00	5.00 4.00	157 205	0.005 0.006
925.0	945.5	SHALE (SHL) indurated, grey, elongated thin comb-like whitish carbonate alteration. Ptygmatic thin quartz vein @ 940'.	13266	939.00	944.00	5.00	161	0.005
945.5	977.0	ARENITE (AR) typical, foliation: 60 degrees 961.5-962.2: quartz vein						
		END OF HOLE : 977.0'.						

HOLE No: br62

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH	Auppb	Au oz/t
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DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
300.00	-88.00	263.00
600.00	-88.00	273.00
900.00	-88.00	264.00
977.00	-88.00	264.00

HOLE No: br62

BR-62



# ASSAYERS ONTARIO LABORATORIES

A DIVISION OF ASSAYERS CORPORATION LTD.

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-148/02/8041

Date: August 26, 1988

Received August 22, 1988 55 Samples of Drill Core

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

BR 63

Sample No.	Au ppb/oz/ton	
13070	748	.023
13071	65	
13072	1693	.047
13073	653	.021
13074	240	
13075	1062	.031
13076	178	
13077	70	
13078	19	
13079	205	
13080	919	.026
13081	358	
13082	20	
13083	44	
13084	50	

ASSAYERS ONTARIO LABORATORIES

Per \_\_\_\_\_

J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br63

Collar Eastings: 1230.30

Collar Northings: -21.32

Collar Elevation: 15.98

Collar Inclination: -90.00

Grid Bearing: 300.00

Final Depth: 1047.00 feet

Logged by: KAN

Date: August 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	32.0	CASING (DB)						
32.0	190.0	ARENITE (AR) typical, foliated, foliation is sub-parallel to core, medium grey in colour, several sections are bleached, grey, biotite inprint underlining foliation. Broken core especially at 96-98 and between 141-180. Sand seam between 101 and 106'. (remains broken to 232) End of NQ @ 180.0						
190.0	195.0	GREYWACKE (GR) fine grained, massive, l. grey						
195.0	204.0	ARENITE (AR) typical, sections bleached, foliation sub-vertical Brecciated from 202-204.						
204.0	220.0	GREYWACKE (GR) medium grained, bleached, irregular foliation generally sub-vertical, gradational into Arenite.						
220.0	286.2	ARENITE (AR) typical, bleached to 220', then typical with biotite inprint, sub-vertical foliation, locally lightly bleached. 241.5-276: bleached silty arenite, clear grey, a few pseudo-porphroblasts of Aspy, brecciated aspect probably due to the bleaching along foliation. 276-286.2: Arenite, silicified, light grey						
286.2	291.5	GREYWACKE (GR) medium grained, grey.						
291.5	298.5	SHALE (SHL) dark grey, silty, with chlorite and carbonate alteration dots, apparent bedding 60 degrees, 1/2 cm ptigmatic quartz vein. from 294.5-296.0: greywacke type massive bed intercalated.						
298.5	300.0	GREYWACKE (GR) silty, grey						
300.0	302.2	SHALE (SHL) dark grey, with elongated alteration dots, also locally graphitic, a 8" quartz vein.						
302.2	304.3	GREYWACKE (GR) as above.						
304.3	339.0	ARENITE (AR) fine grained, light grey, bleached, silicified broken core from 315-317 Foliated: foliation sub-vertical						



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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
		@ 332.1: 1" shale, grey and one porphyroblast of Aspy						
339.0	348.6	SHALE (SHL) dark grey with quartz vein containing fedspar from 342.0-343.5. Apparent dip of schistosity: 70 degrees Bedding @ contact: 339': 60 degrees. @ 348.6: 0.						
348.6	380.5	ARENITE (AR) light grey, fine to medium grained. Last 6": grey-wacke type.						
380.5	400.9	SHALE (SHL) grey, with occasional spots of elongated alteration dots, sometimes carbonate filled Graphite rich band and quartz vein from 384.2-386.2 from 386.2-387.5: greywacke type bed from 395.3-400.9: black graphitic shale with 10% associated quartz vein. Quartz vein has chlorite blebs.	13041 10342	383.00 395.30	386.00 400.90	3.00 5.60	213 239	0.007 0.007
400.9	402.0	GREYWACKE (GR) massive, typical.						
402.0	403.0	SHALE (SHL) dark shale with minor graphitic layers. Foliation 75 degrees apparent dip.						
403.0	425.5	ARENITE (AR) slightly bleached, typical with intercalated of GREYWACKE from 414-417						
425.5	426.5	QUARTZ VEIN (QV) with chlorite.						
426.5	437.0	ARENITE (AR) some bleaching, undulating foliation from sub-vertical to 60 degrees apparent dip. In 1" quartz vein at contact: trace galena, Po						
437.0	439.0	SHALE (SHL) black spotted shale, graphitic. Chlorite carbonate dots.	13043	437.00	439.00	2.00	45	0.001
439.0	441.5	ARENITE (AR) gradational to Greywacke						
441.5	443.0	QUARTZ VEIN, SHALE (QV,SHL) 50% quartz vein associated with black shale, some large Aspy crystals.						
443.0	447.2	GREYWACKE (GR) typical with from 444-444.5 quartz vein						
447.2	448.7	SHALE (SHL) dark grey, with some quartz veining. Bedding 50 degrees.						
448.7	450.0	GREYWACKE (GR) typical						

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
450.0	451.5	SHALE (SHL) dark grey with some quartz veining.						
451.5	453.0	GREYWACKE (GR) typical						
453.0	453.5	SHALE (SHL) dark, graphitic						
453.5	454.3	GREYWACKE (GR) typical						
454.3	459.0	SHALE (SHL) dark grey to black graphitic shale with quartz vein with feldspar inclusions. Between 456-457.5: 5% Aspy content	10344	454.30	459.00	4.70	155	0.005
459.0	462.3	GREYWACKE (GR)						
462.3	463.8	SHALE (SHL) silty						
463.8	465.3	ARENITE (AR) typical						
465.3	472.5	GREYWACKE (GR)						
472.5	491.8	QUARTZ VEIN (Q.V) mostly quartz vein, bull quartz? with the following intersections: 472.5-474.0: quartz vein with graphitic fragments 474-475.5: arenite with large porphyroblasts of Aspy 475.5-486.9: 80% quartz vein with some graphitic shale fragments and 2x8" greywacke beds intercalated. 486.9-490.2: greywacke with large Aspy porphyroblasts 490.2-491.8: quartz vein	13045 13046 13047 13048 13049 13050 13051	472.50 474.00 475.50 480.50 483.50 486.90 490.20	474.00 475.50 480.50 483.50 486.90 490.20 491.80	1.50 1.50 5.00 3.00 3.40 3.30 1.60	31 74 64 361 164 37 96	0.001 0.002 0.002 0.010 0.005 0.001 0.003
491.8	518.0	ARENITE (AR) typical with the following intersections: 494.2-505.5: 60% quartz vein and silty shale grey 505.5-508.5: Arenite with 2" quartz vein 508.5-511: quartz vein : bull quartz. 511-513.5: typical arenite, foliation 75 degrees. Some small narrow quartz veins 513.5-515.0: quartz vein with graphitic fragments and 3" massive Aspy quartz vein 515.0-518.0: typical arenite	13052 13053 13054 13055 13056 13057	491.80 494.20 499.00 502.00 508.50 513.50	494.20 499.00 502.00 505.50 511.00 515.00	2.40 4.80 3.00 3.50 2.50 1.50	20 2760 1476 49 25 1121	0.000 0.079 0.042 0.001 0.000 0.030
518.0	522.0	QUARTZ VEIN (QV) with some graphitic black shale fragments and 2" massive Aspy at 518.0'.	13058	518.00	522.00	4.00	82	0.002
522.0	524.5	GREYWACKE (GR) typical						

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
524.5	525.0	QUARTZ VEIN and SHALE (QV,SHL), black, graphitic						
525.0	529.0	GREYWACKE (GR), some Aspy at end of section.						
529.0	530.0	SHALE (SHL) dark, silty, spotted with chlorite dots.						
530.0	533.0	GREYWACKE (GR) typical, last ft. shaly with narrow qtz. vein						
533.0	550.5	GREYWACKE (GR) with intercalations of dark spotted shale, several narrow quartz veins and quartz carbonate veinlets. Shale is spotted with light grey dots and intersected from 535.5-537; 538-539; 543.5-547.0. @ 550: breccia in greywacke filled with qtz. 550-550.5: narrow shale bed, grey, spotted.						
550.5	571.0	ARENITE (AR) typical, foliation sub-vertical with the following intersections: 552-554: greywacke type bed 554-555: silty shale bed 567-569.1: dark shale with two 5cm quartz veins.						
571.0	572.2	GREYWACKE (GR) typical						
572.2	573.7	SHALE (SHL) dark grey with some carbonate and graphite.						
573.7	577.5	GREYWACKE (GR) typical						
577.5	581.0	SHALE (SHL) dark, spotted, recrystallized.	13059	577.50	581.00	3.50	31	0.000
581.0	586.5	GREYWACKE (GR) gradational to Arenite @ 583.5 large Aspy crystal						
586.5	589.2	QUARTZ VEIN, SHALE (QV,SHL) quartz vein with some graphitic shale, trace Po.	13060	586.50	589.20	2.70	41	0.001
589.2	591.0	GREYWACKE (GR) typical						
591.0	591.8	SHALE (SHL) dark grey, spotted						
591.8	605.5	ARENITE (AR) typical						
605.5	607.5	SHALE (SHL) graphitic with quartz veining						
607.5	629.0	GREYWACKE (GR) typical with the following intercalations:						

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DIAMOND DRILL LOG

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HOLE No.: br63

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
		612.5-613.5: quartz vein 617.5-618.5 and 619.8-622.3: shale, grey 622.5-626.0: shaly greywacke 628.4-629: shale, grey @ 627.5: 5cm quartz vein						
629.0	656.0	ARENITE (AR) silty, medium to fine grained, gradational to greywacke at the end of section.						
656.0	661.5	SHALE (SHL) dark, silty, spotted with chlorite dots. Quartz vein from 659.3-659.5						
661.5	666.0	GREYWACKE (GR) typical						
666.0	667.5	SHALE (SHL) dark, spotted, silty. Bedding: 52 degrees						
667.5	690.5	GREYWACKE (GR) with shaly intercalations, becoming ARENITE type from 685.5-688.5						
690.5	700.0	BELT: SHALE (BELT: SHL) probably far along flank, grey to dark grey with minor graphite and some quartz veining :10% Bedding at lower contact: 50 degrees.	13061 13062	690.50 695.50	695.50 700.00	5.00 4.50	1313 207	0.039 0.006
700.0	722.0	ARENITE (AR) coarse grained, bleached, cvhlorite spotted, foliation 75 depress with qtz. vein from 701.8-703.0						
722.0	728.0	SHALE (SHL) black with intercalation arenite from 724.5-726.0, brecciated fractured zone @ 724.5	13063	722.00	728.00	6.00	47	0.001
728.0	732.8	ARENITE (AR) typical						
732.8	744.3	BELT, SHALE (BELT: SHL) dark with quartz veining from 738-744. Aspy crystals, bedding 50 degrees. Arenite intercalation from 734-735.5	13064 13065 13066	732.80 738.00 742.00	738.00 742.00 744.30	5.20 4.00 2.30	65 34 203	0.001 0.001 0.006
744.3	786.8	ARENITE (AR) typical, partly bleached with recemented dissolution cracks carbonate filled, with narrow silty shale beds from 671-671.5 and 675.1-676.2						
786.8	795.5	BELT? (BELT?) black graphitic shaler with 3 to 5% Aspy content, minor quartz veining, from 791.5 dark silty shale, sometimes spotted, bedding 60 degrees	13067 13068	786.80 791.50	791.50 795.50	4.70 4.00	57 23	0.001 0.000
795.5	809.0	ARENITE (AR) typical						

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NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
809.0	811.5	SHALE (SHL) abrupt change to spotted grey shale with bedding at 50 degrees, from 811 silty shale to arenite.						
811.5	813.5	ARENITE (AR) typical						
813.5	823.5	BELT, SHALE (BELT,SHL) black to grey shale with quartz vein over 2.5 ft. from 814.5-817.0 From 817.2-819.2: intercalation ARENITE	13069 13070	813.50 818.50	818.50 823.50	5.00 5.00	1700 748	0.048 0.023
823.5	846.9	ARENITE (AR) from 823.5 to 823.8 gradual change from shale to typical arenite, bleached, foliation 60 degrees						
846.9	852.5	SHALE (SHL) abrupt contact from AR to SHL, black graphitic shale with 5% Aspy, some spotted with carbonate dots. Near each contact some Aspy crystals	13071	846.90	852.50	5.60	65	0.001
852.5	873.0	ARENITE (AR) typical, foliation from 60 degrees to sub-vertical						
873.0	880.0	SHALE (SHL) another abrupt contact from arenite to shale. Black graphitic shale with 60% quartz veining, qtz, contain some pink feldspar.	13072 13073	873.00 876.00	876.00 880.00	3.00 4.00	1693 653	0.047 0.021
880.0	922.0	ARENITE (AR) typical with intercalation of dark grey shale bed from 902-903.5						
922.0	938.4	SHALE (SHL) black, spotted with carbonate and chlorite alteration dots with approx. 5% quartz veining and 1% Aspy Gradual to Arenite from 937-938.4	13074 13075 13076	922.00 927.00 932.00	927.00 932.00 937.00	5.00 5.00 5.00	240 1062 178	0.008 0.031 0.005
938.4	956.0	GREYWACKE- ARENITE (GR-AR) Medium grey, medium grained greywacke quite arenaceous with several massive white quartz veins from 944.5 to 946 and from 947.2 to 950.5 the latter contains some Feldspar crystals.						
956.0	966.0	SHALE (SH) Dark spotted shale with chlorite and carbonate filled lenses with an intercalated arenite bed from 959.5 to 961.0. There is some disseminated aspy in small sections (1-2%)	13077 13078	956.00 961.00	961.00 966.00	5.00 5.00	70 19	0.002 0.000
966.0	975.0	ARENITE (AR) Typical well foliated arenite with the foliation at 60 degrees to sub-vertical with quartz vein at 973.0 to 975.0	13079	973.00	975.00	2.00	205	0.006
975.0	1006.0	SHALE (SH) Grey to dark grey spotted shale with occasional	13080	975.00	979.00	4.00	919	0.026

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DIAMOND DRILL LOG

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
		1-2% aspy. and with some intercalated arenite beds at the following locations: 982.2 to 984.2, 985.9 to 988.0, 990.5 to 993.5 and from 998.0 to 1000.0 There is a massive white quartz vein from 984.2 to 984.6.	13081	979.00	982.00	3.00	358	0.010
1006.0	1021.0	GRAPHITIC SHALE WITH QUARTZ (SH, QV, BELT) Graphitic shale unit with about 60 % quartz distributed throughout the section, containing some large aspy phenocrysts and an arenite bed from 1016.0 to 1017.0	13082	1006.00	1011.00	5.00	20	0.000
			13083	1011.00	1016.00	5.00	44	0.001
			13084	1016.00	1021.00	5.00	50	0.001
1021.0	1047.0	ARENITE (AR) Typical arenite, but broken and with some dissolution features. The core is very broken up around 1038.5 The section contains a massive white quartz vein from 1028.6 to 1029.0 and from 1042.0 to 1043.0  END OF HOLE 1047.0						

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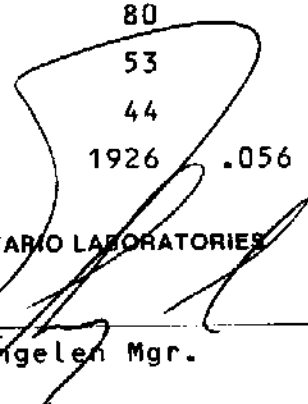
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-151/02/8132 Date: September 21, 1988  
Received 208 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. Raymond J. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
<i>BR 64</i> 13125	376	13145	3301 .11
13126	>10000 .46	13146	6531 .24
13127	181	13147	2977 .090
13128	617 .018	13148	3097 .087
13129	57	13149	782 .021
13130	158	13150	3742 .12
13131	14	13151	2100 .066
13132	12	13152	1745 .050
13133	26	13153	457 .013
13134	189	13154	236
13135	49	13155	530 .014
13136	84	13156	4655 .14
13137	23	13157	>10000 .70
13138	156	13158	2759 .075
13139	80	13159	1207 .036
13140	158	13160	226
13141	929 .027	13161	80
13142	1537 .048	13162	53
13143	1329 .038	13163	44
13144	>10000 .84	13164	1926 .056

ASSAYERS ONTARIO LABORATORIES

Per   
J. van Engelen Mgr.





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Received 208 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Att'n: Mr. Raymond J. Dehenne

BR 64

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13085	>10000 .92	13105	231
13086	6363 .18	13106	603 .014
13087	1260 .040	13107	1535 .042
13088	5220 .17	13108	>10000 .70
13089	1380 .042	13109	1837 .057
13090	671 .018	13110	1414 .045
13091	595 .018	13111	72
13092	236	13112	982 .028
13093	227	13113	235
13094	3612 .11	13114	* .024
13095	3330 .10	13115	41
13096	527 .018	13116	1500 .050
13097	211	13117	* 3.12
13098	209	13118	349
13099	20	13119	192
13100	16	13120	84
13101	1211 .034	13121	169
13102	3320 .10	13122	22
13103	4028 .14	13123	22
13104	564 .016	13124	>10000 2.28

ASSAYERS ONTARIO LABORATORIES

Per J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br64

Collar Eastings: 1808.00

Collar Northings: 55.77

Collar Elevation: 0.44

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 751.00 feet

Logged by: RJD

Date: September 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
0	28.0	CASING (OB)						
28.0	78.0	ARENITE (AR) typical, grey, with biotite inprint, medium to fine grained, foliated. Foliation: 70 degrees apparent dip. With from 48-56: slightly bleached grey clear, trace Py on joints. 56-59: quartz vein with arenite lenses. 59-78: foliation 80 degrees						
78.0	83.0	ARENITE (AR) but section partly bleached, grey clear, chloritic also more carbonate inclusions, small cavities.						
83.0	152.0	ARENITE (AR) typical, medium grey, biotite inprint, partly siliceous, foliation: 70 degrees. END OF HQ at 152.0'						
152.0	186.7	ARENITE (AR) typical but with sections bleached, grey clear in colour, undulating foliation 70-65 degrees with from: 175-176.8: quartz vein : bull quartz 182-184: quartz vein: bull quartz.						
186.7	197.0	QUARTZ VEIN (QV) large quartz vein, locally corroded, with small cavities, also disseminated Aspy crystals.	13085 13086	186.70 192.00	192.00 197.00	5.30 5.00	10000 6363	0.920 0.180
197.0	220.5	ARENITE (AR) typical as above with from : 204-206: quartz vein with lenses of arenite, somewhat more schistose over 2x 3". 212-213: quartz vein 216.5-217.5: quartz vein 217.5-220.5: several large macled Aspy crystals in arenite.						
220.5	222.5	QUARTZ VEIN (Q.V.) with fragments of arenite, large blebs of Po and Aspy.	13087	220.50	222.50	2.00	1260	0.040
22.5	230.6	ARENITE (AR) typical						
230.6	231.8	SHALE (SHL) grey, spotted with small chlorite dots, apparent dip 50 degrees, schistosity 55 degrees.						
231.8	259.5	ARENITE (AR) typical						
259.5	260.5	SHALE (SHL) grey with associated quartz vein						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
260.5	275.0	ARENITE (AR) typical, medium grey, with numerous Aspy crystals disseminated, some macled.						
275.0	296.0	QUARTZ VEIN, SHALE (QV,SHL) quartz vein with fragments of dark shale and blebs of chlorite to 277', then shale, silty with abundant crystals of Aspy disseminated to 278'. From 278-279: quartz vein, then back to same silty shale, grey, chloritic with a 2" quartz vein to 280'. 280-296: shale, grey, fractured, spotted with alteration dots, mixed with quartz veining with black graphitic shale fragments. 2 to 3% Aspy dissem. in shale.	13088	275.00	279.00	4.00	5220	0.170
			13089	279.00	284.00	5.00	1380	0.042
			13090	284.00	289.00	5.00	671	0.018
			13091	289.00	293.00	4.00	595	0.018
			13092	293.00	296.00	3.00	236	0.006
296.0	305.0	ARENITE (AR) typical, grey, well foliated						
305.0	324.0	BELT, QUARTZ VEIN, SHALE (BELT:QV,SHL) quartz veining with graphitic black shale fragments, then entering in shale, grey, spotted by chlorite dots to 308.5 308.5-309.2: intercalated more silty bed, greywacke type. 309.2-317: quartz veining and associated dark grey graphitic with approximately 3-4% Aspy. Ratio 30% QV, 70% SHL. 317-321: shale more silty with lenticular layers of graphitic shale intercalated, some large Aspy crystals. 321-323: quartz vein 323-324: shale silty with narrow quartz vein at end of section	13093	305.00	309.20	4.20	227	0.006
			13094	309.20	314.00	4.80	3612	0.110
			13095	314.00	317.00	3.00	3330	0.100
			13096	317.00	321.00	4.00	527	0.018
			13097	321.00	324.00	3.00	211	0.006
324.0	327.0	ARENITE (AR) typical, well foliated, gradational greywacke toward end of section						
327.0	329.5	SHALE (SHL) dark grey, partly graphitic with quartz veining, trace Po, 2-3% Aspy	13098	324.00	329.50	5.50	209	0.006
329.5	369.0	ARENITE (AR) typical, medium grey with numerous large Aspy crystals disseminated, with the following intercalations: 337.3-338.3: quartz vein, bull quartz, trace Aspy 348.8-349.2: quartz vein 353.5-353.7: quartz vein 357.5-364.5: quartz vein, bull quartz	13099	357.50	362.50	5.00	20	0.000
			13100	362.50	364.50	2.00	16	0.000
369.0	369.5	SHALE, QUARTZ VEIN, VISIBLE GOLD (ANG) graphitic shale over 1cm followed by quartz vein 1" : apparent dip 70 degrees with two dots of VISIBLE GOLD:angular.						
369.5	381.0	ARENITE (AR) typical, very well foliated: 70 degrees, rich bio-						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br64

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		tite inprint.						
381.0	392.0	BELT: QUARTZ VEIN, SHALE (BELT: QV,SHL) quartz veining with large lenzes of graphitic shale, 3% Aspy content, also chlorite Ratio: 50/50.	13101	381.00	384.00	3.00	1211	0.034
			13102	384.00	388.00	4.00	3320	0.100
			13103	388.00	392.00	4.00	4028	0.140
392.0	422.0	ARENITE (AR) typical, well foliated, some blebs of Po. Apparent dip: 65 degrees						
422.0	424.3	QUARTZ VEIN, SHL (QV,SHL) quartz vein over 3" followed by grey shale spotted by chlorite alteration dots, crenulation along schistosity.	13104	422.00	424.30	2.30	564	0.016
424.3	429.0	ARENITE (AR) foliated, with some macled Aspy crystals.						
429.0	431.0	SHALE (SHL) graphitic, elongated white alteration dots, ptygmatic quartz vein, crenulation along schistosity.	13105	429.00	431.00	2.00	231	0.006
431.0	432.0	ARENITE (AR) typical						
432.0	432.8	SHALE (SHL) silty, grey, elongated whitish carbonate dots.						
432.8	437.0	ARENITE (AR) typical						
437.0	458.0	BELT, QUARTZ VEIN, SHALE (BELT: QV,SHL) quartz veining mixed with graphitic shale: ratio: from 437 to 447: 90% quartz and 10% shale and from 447-458: 30% quartz, 70% shale. In the graphitic shale: elongated alteration dots. In the quartz some feldspar. Aspy in shale approximately 3%.	13106	437.00	442.00	5.00	603	0.014
			13107	442.00	447.00	5.00	1535	0.042
			13108	447.00	452.00	5.00	10000	0.700
			13109	452.00	458.00	6.00	1837	0.057
458.0	462.5	ARENITE (AR) intercalation.						
462.5	470.0	BELT (BELT) continuation of the above belt with 40% quartz and 60% graphitic shale with chlorite dots and approx. 2% Aspy, some Po. @ 466: bleb of chalcopyrite in quartz veining, also some narrow quartz veining.	13110	462.50	466.00	3.50	1414	0.045
			13111	466.00	470.00	4.00	72	0.000
470.0	490.0	ARENITE (AR) typical, well foliated: 80 to 90 degrees. @ 478.5: 4 cm quartz vein from 481-481.8: quartz vein						
490.0	492.8	SHALE (SHL) dark grey, partly graphitic, dotted, a 8" quartz vein at the end of section.	13112	490.00	492.80	2.80	982	0.028

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
492.8	506.0	ARENITE (AR) typical, large Aspy crystals. Foliation: 70 degrees						
506.0	510.0	SHALE (SHL) graphitic black over 1', followed by quartz veining with large blebs of graphitic shale, also blebs of Aspy.						
510.0	512.0	GREYWACKE (GR) medium grained, grey, massive.	13113	506.00	510.90	4.90	235	0.006
512.0	518.5	ARENITE (AR) typical						
518.5	519.3	SHALE (SHL) with quartz vein, whitish dots, ptygmatic 3mm qtz. vein, Aspy						
519.3	520.0	ARENITE (AR) typical						
520.0	520.7	SHALE, QUARTZ VEIN, VISIBLE GOLD (ANG) one dot of VG.	13114	520.00	520.70	0.70	900	0.024
520.7	525.2	ARENITE (AR) typical, well foliated, 70 degrees apparent dip						
525.2	527.0	QUARTZ VEIN, SHALE (QV,SHL) quartz veining 1" followed by dotted graphitic shale, silty, with whitish dots.						
527.0	530.0	ARENITE (AR) typical, large porphyroblasts of Aspy.						
530.0	531.7	QUARTZ VEIN, SHALE (QV,SHL) quartz veining and shale graphitic in part, silty, Aspy.	13115	530.00	531.70	1.70	41	0.000
531.7	534.8	ARENITE (AR) gradational to greywacke, shaly at end.						
534.8	539.5	BELT :QUARTZ VEIN, SHALE (BELT:QV,SHL) Graphitic dark shale, with quartz vein, silty layers intercalated, with from: 536.6-537.2: intercalation of ARENITE 537.2-539.5: graphitic shale with quartz veining, silty greywacke type beds intercalated, some Aspy	13116	534.80	539.50	4.70	1500	0.050
539.5	574.3	ARENITE (AR) typical but with some intercalations intersected as follows: @ 553.5: 2" grey shale with 1mm ptygmatic quartz vein @ 554.5: 1mm ptygmatic quartz vein @ 559: 2" quartz vein associated with grey shale @ 564.5: 2" quartz vein and grey shale @ 569: 2" grey shale with associated quartz veining, trace Po, also thin ptygmatic quartz vein.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
574.3	574.9	QUARTZ VEIN, VISIBLE GOLD (QV, VG) quartz vein with 2 dots of VG, some Aspy ANGULAR	13117	574.30	574.90	0.60	10000	3.120
574.9	585.0	ARENITE (AR) as above with the following intersection: 579.1-580.5: shale, grey, silty, with whitish alteration dots						
585.0	589.0	GREYWACKE (GR) shaly, grey, elongated whitish alteration dots in shaly beds.						
589.0	591.5	ARENITE (AR) typical, medium grey, foliation 80 degrees.						
591.5	596.5	GREYWACKE (GR) typical, shaly, foliated						
596.5	597.7	ARENITE (AR) typical						
597.7	605.6	SHALE (SHL) grey with large elongated whitish and chlorite dots ptygmatic mm quartz vein	13118 13119	597.70 602.00	602.00 605.60	4.30 3.60	349 .192	0.010 0.005
605.6	608.5	GREYWACKE (GR) typical						
608.5	610.0	SHALE (SHL) grey with ptygmatic quartz vein, some Aspy crystals.						
610.0	615.6	ARENITE (AR) typical, well foliated, 80 degrees app. dip.						
615.6	617.0	QUARTZ VEIN, SHALE (QV, SHL) quartz veining associated with grey shale						
617.0	624.2	ARENITE (AR) typical						
624.2	627.5	SHALE (SHL) grey with large elongated white dots of alteration, some Py.	13120	624.20	627.50	3.30	84	0.000
627.5	631.0	ARENITE (AR) typical gradational to greywacke						
631.0	632.5	SHALE (SHL) grey with 1" quartz vein.						
632.5	639.4	ARENITE (AR) well foliated : 75 to 85 degrees apparent dip.						
639.4	644.0	SHALE (SHL) spotted with chlorite dots, some quartz veining, blebs Aspy, ptygmatic quartz veining, approx. 2% Aspy Apparent dip at contact: 35 degrees.	13121	639.40	644.00	4.60	169	0.004
644.0	649.5	ARENITE (AR) typical						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
649.5	650.8	SHALE (SHL) with ptygmatic quartz vein, some chalcopryrite.	13122	649.50	650.80	1.30	22	0.000
650.8	653.0	ARENITE (AR) typical						
653.0	654.0	SHALE (SHL) grey, spotted with whitish alteration dots, indurated.						
654.0	675.0	ARENITE (AR) typical, medium grey.						
675.0	677.1	SHALE (SHL) contact 52 degrees apparent dip, shale grey, indurated spotted with elongated chlorite and white carbonate dots, 2" quartz veining. then dark grey partly graphitic.	13123	675.00	677.10	2.10	22	0.000
677.1	681.0	GREYWACKE (GR) grey, massive beds.						
681.0	684.8	GREYWACKE (GR shaly) indurated with elongated white dots.						
684.8	692.0	SHALE (SHL ind) ptygmatic quartz veining in same shale, some layers more silty, greywacke type, intercalated						
692.0	698.5	SHALE (SHL) dark grey, partly indurated, partly graphitic, spotted with elongated white dots, some quartz veining and ptygmatic quartz vein.	13124	692.00	698.50	6.50	10000	2.280
698.5	738.5	ARENITE (AR) well foliated, grey clear, bleached, some solution cracks with from 716-717.2 a bed of grey clear shale with associated quartz veining. Fractured from 730-731.						
738.5	747.0	SHALE (SHL) graphitic, dark grey to black, white alteration dots chlorite, more silty toward end of section.	13125 13126	738.50 743.00	743.00 747.00	4.50 4.00	376 10000	0.010 0.460
747.0	751.0	ARENITE (AR) typical, dark grey, some elongated lenticular more silty layers intercalated.						

END OF HOLE : 751.0'

BR-64





# ASSAYERS ONTARIO LABORATORIES

A DIVISION OF ASSAYERS CORPORATION LTD.

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

FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-151/02/8132

Date: September 21, 1988

Received 208

Samples of Drill Core

Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. Raymond J. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
<i>BR 64</i> 13125	376	13145	3301 .11
13126	>10000 .46	13146	6531 .24
13127	181	13147	2977 .090
<i>BR 65</i> 13128	617 .018	13148	3097 .087
13129	57	13149	782 .021
13130	158	13150	3742 .12
13131	14	13151	2100 .066
13132	12	13152	1745 .050
13133	26	13153	457 .013
13134	189	13154	236
13135	49	13155	530 .014
13136	84	13156	4655 .14
13137	23	13157	>10000 .70
13138	156	13158	2759 .075
13139	80	13159	1207 .036
13140	158	13160	226
13141	929 .027	13161	80
13142	1537 .048	13162	53
13143	1329 .038	13163	44
13144	>10000 .84	13164	1926 .056

ASSAYERS ONTARIO LABORATORIES

Per

*J. van Engelen*  
J. van Engelen Mgr.



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

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## Certificate of Analysis

Certificate No. NX-151/03/8132 Date: September 21, 1988

Received 208 Samples of Drill Core

Submitted by Narex Ore Search Consultants Inc. Att'n: Mr. Raymond J. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13165	180	13185	154
<i>BR 65</i> 13166	166	13186	91
13167	1208 .041	13187	16
13168	1562 .044	13188	>10000 .38
13169	693 .021	13189	* .11
13170	54	13190	561 .018
13171	56	13191	183
13172	2517 .066	13192	86
13173	32	13193	29
13174	153	<i>BR 62</i> 13194	756 .021
13175	149	13195	243
13176	857 .021	13196	2456 .077
13177	36	13197	1452 .043
13178	480 .014	13198	1011 .028
13179	35	13199	7630 .24
<i>BR 65</i> 13180	22	13200	2634 .081
13181	58	13201	1536 .050
<i>BR 65</i> 13182	261	13202	1352 .045
13183	41	13203	1303 .039
13184	76	13204	3801 .11

ASSAYERS ONTARIO LABORATORIES

Per J. Van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro

HOLE No.: br65

Collar Eastings: 1778.20

Collar Northings: 120.73

Collar Elevation: 5.33

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 757.00 feet

Logged by: RJD KAN

Date: September 1988

Down-hole Survey: tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	28.0	CASING (CB)						
28.0	56.0	ARENITE (AR) foliated, typical, grey to dirty grey, iron staining on joints, foliation: 80 degrees apparent dip.	13180	50.00	54.00	4.00	22	0.000
56.0	94.5	ARENITE (AR) typical, foliated, siliceous, medium grey From 70.5-71.5: quartz vein : bull quartz						
94.5	118.5	QUARTZ VEIN (QV) with locally trace Aspy and some shaly chlorite fragments	13127	94.50	97.00	2.50	181	0.005
			13128	97.00	100.00	3.00	617	0.018
			13129	100.00	103.00	3.00	57	0.000
			13130	103.00	106.00	3.00	158	0.004
			13131	106.00	109.00	3.00	14	0.000
			13132	109.00	112.00	3.00	12	0.000
			13133	112.00	115.00	3.00	26	0.000
13134	115.00	118.50	3.50	189	0.005			
118.5	122.5	SHALE (SHL) dark grey, silty	13135	118.50	120.50	2.00	49	0.000
			13136	120.50	122.50	2.00	84	0.000
122.5	126.0	No core : sand seam ?						
126.0	131.0	GREYWACKE (GR shly) shaly with indurated silty shale beds, slightly graphitic	13137	126.00	129.00	3.00	23	0.000
131.0	156.5	BELT: SHALE (BELT:SHL) contact @ 131': 60 degrees apparent dip. Shale dotted, graphitic, with elongated whitish carbonate alteration dots, 1 to 2% Aspy disseminated 138.5-140.0: silty, more greywacke type beds intercalated @ 140': 55 degrees apparent dip @ 154': several dots of VISIBLE GOLD in a 2 ft. quartz vein within graph. shale.	13138	129.00	133.00	4.00	156	0.004
			13139	133.00	137.00	4.00	80	0.000
			13140	137.00	141.00	4.00	158	0.004
			13141	141.00	145.00	4.00	929	0.027
			13142	145.00	149.00	4.00	1537	0.048
			13143	149.00	153.00	4.00	1329	0.038
			13144	153.00	156.50	3.50	10000	0.840
156.5	168.0	ARENITE (AR) typical, siliceous, sub-vertical foliation.						
168.0	174.0	SHALE (SHL) graphitic with associated quartz veining, elongated whitish alteration dots, 1-2% Aspy.	13145	168.00	171.00	3.00	3301	0.110
			13146	171.00	174.00	3.00	6531	0.240
174.0	180.5	GREYWACKE (GR) dark grey, gradational to ARENITE from 176-179, then back to greywacke. @ 176': 2" quartz vein.						
180.5	186.5	SHALE (SHL) black graphitic, spotted with chlorite dots,	13147	180.50	183.50	3.00	2977	0.090

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br65

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		disseminated Aspy, 3-4%. Also several narrow quartz veins.	13148	183.50	186.50	3.00	3097	0.087
186.5	198.0	ARENITE (AR) typical, grey, sub-vertical foliation.						
198.0	200.5	QUARTZ VEIN, SHALE (QV, SHL) quartz vein with blebs of graphitic shale to 199.8, followed by dotted graphitic shale with 2% Aspy	13149	198.00	200.50	2.50	782	0.021
200.5	205.5	GREYWACKE (GR) foliated, dark grey with disseminated crystals of Aspy : less than 15.	13150	200.50	205.50	5.00	3742	0.120
205.5	229.5	BELT: SHALE (BELT:SHL) shale, graphitic, elongated carbonate alteration white dots, dark grey to black, 3-4% dissem. Aspy. 222-226: quartz veining with black graphitic shale fragments	13151 13152 13153 13154 13155	205.50 210.50 215.50 220.50 225.50	210.50 215.50 220.50 225.50 229.50	5.00 5.00 5.00 5.00 4.00	2100 1745 457 236 530	0.066 0.050 0.013 0.006 0.014
229.5	232.1	GREYWACKE (GR) intercalation of greywacke light grey bed	13156	229.50	232.10	2.60	4655	0.140
232.1	242.5	BELT: QUARTZ VEIN, SHALE, VISIBLE GOLD (BELT:QV, SHL, VG) quartz veining with some Aspy to 240, 2-3 dots VG dissem. @ 236, then graphitic shale black containing 3-4% Aspy.	13157 13158	232.10 237.00	237.00 242.50	4.90 5.50	10000 2759	0.700 0.075
242.5	247.0	GREYWACKE (GR) gradational to Arenite						
247.0	250.9	ARENITE (AR) typical.						
250.9	252.8	SHALE (SHL) contact 38 degrees apparent dip, graphitic, with silty layers, with a 2" quartz carbonate vein, trace Aspy	13159	250.90	252.80	1.90	1207	0.036
252.8	257.0	ARENITE (AR) typical. Foliation :70 degrees apparent dip.						
257.0	258.5	SHALE (SHL) graphitic, dark grey with associated quartz veining	13160	257.00	258.50	1.50	226	0.006
258.5	292.0	ARENITE (AR) typical, foliated: 70-80 degrees apparent dip with narrow intercalation of grey shale with quartz vein from 281 to 282.						
292.0	303.5	BELT: SHALE (BELT:SHL) quartz vein over 2" followed by graphitic shale, dotted. Also intercalated layers of greywacke type Ptygmatic quartz vein with trace Aspy at end of section. Contact: approx. 60 degrees	13161 13162	292.00 297.00	297.00 303.50	5.00 6.50	80 53	0.000 0.000
303.5	339.0	ARENITE (AR) typical with narrow grey dotted shale bed from 307.2-307.5.						

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br65

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		Arenite is well foliated, medium grey: 65-70 degrees apparent dip.						
339.0	342.0	SHALE (SHL) dotted, graphitic, dark grey with silty intercalated layers and quartz veining.	13163	339.00	342.00	3.00	44	0.000
342.0	355.2	ARENITE (AR) typical, foliated : 70 degrees apparent dip.						
355.2	359.8	SHALE (SHL) graphitic, dark grey to 357.2, then followed by quartz veining.	13164	355.20	359.80	4.60	1926	0.056
359.8	368.0	ARENITE (AR) typical, slightly bleached, clear grey, well foliated.						
368.0	371.8	SHALE (SHL) grey with quartz veining associated. Shale is spotted by whitish carbonate alteration dots. Some intercalated layers are more silty.	13165	368.00	371.80	3.80	180	0.004
371.8	385.0	GREYWACKE (GR) type beds gradational to Belt, some large porphyroblasts of Aspy dissem., contact dip: 75 degrees						
385.0	416.0	BELT: SHALE, QUARTZ VEIN (BELT:SHL, QV) 385-387: shale graphitic with elongated alteration chlorite dots, also some white carb. dots, then from 387-388.5: quartz vein with large Aspy crystals 388.5-404: black graphitic shale, chlorite dots, some associated quartz veining, 2-3% Aspy. From 404-407: shale silty indurated, near greywacke type, dark grey : 70 degrees 407-416: graphitic shale mixed with qtz. veining, 1-2% Aspy. Near 415.5: dots VISIBLE GOLD in quartz vein. Quartz veining with fragmenys of black shale.	13166 13167 13168 13169 13170 13171 13172	385.00 387.00 392.00 397.00 402.00 407.00 412.00	387.00 392.00 397.00 402.00 407.00 412.00 416.00	2.00 5.00 5.00 5.00 5.00 5.00 4.00	166 1208 1562 693 54 56 2517	0.004 0.041 0.044 0.021 0.000 0.000 0.056
416.0	419.5	ARENITE (AR) typical, siliceous, medium grey.						
419.5	434.0	BELT: SHALE (BELT:SHL) 1 cm quartz vein followed by graphitic dark grey shale, elong. white and chlorite dots, silty layers and 2-3% Aspy.	13173 13174 13175	419.50 424.00 429.00	424.00 429.00 434.00	4.50 5.00 5.00	32 153 149	0.000 0.004 0.004
434.0	438.0	ARENITE (AR) typical, disseminated Aspy crystals.						
438.0	440.0	SHALE (SHL) apparent dip 70 degrees, with intercalated silty layers, grey, in part graphitic, spotted with elongated white carbonate dots.	13176	438.00	440.00	2.00	857	0.021
440.0	494.0	ARENITE (AR) typical, foliated, with some large porphyroblasts	13177	463.00	467.50	4.50	36	0.000

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br65

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			
				FROM	TO	WIDTH	Au ppb Au oz/t
		of Aspy disseminated. From 463.0-467.5: quartz vein, bull quartz, with one large bleb of Aspy. @ 478.0': 2" quartz vein. in arenite some blebs of Po. Foliation: 70 degrees.					
494.0	504.8	QUARTZ VEIN (QV) with some disseminated Aspy.	13178	494.00	499.00	5.00	480 0.014
			13179	499.00	504.80	5.80	35 0.000
504.8	550.0	ARENITE (AR) typical, siliceous, numerous disseminated Aspy crystals, some large. 526-527: quartz vein. from 537: locally bleached sections, undulating foliation: 60 to subvertical, large porphyroblasts of Aspy.					
550.0	554.0	SHALE (SHL) graphitic, grey with large chlorite dots, quartz veining, dissem. Aspy, blebs of chlorite in quartz					
554.0	562.0	GREYWACKE (GR) with shaly indurated beds gradational to typical ARENITE at 562.0.					
562.0	568.5	ARENITE (AR) typical					
568.5	570.0	SHALE (SHL) indurated, graphitic, grey shale, undulating, app. dip: 70 degrees.					
570.0	571.5	ARENITE (AR) foliated, typical.					
571.5	572.5	SHALE (SHL) same as above.					
572.5	591.0	ARENITE (AR) typical, foliated, grey.					
591.0	595.5	QUARTZ VEIN, SHALE (QV,SHL) quartz vein with blebs of graphitic followed by dotted graphitic shale, dark grey, a 2mm pygmatic quartz vein.	13181	591.00	595.50	4.50	58 0.000
595.5	598.5	ARENITE (AR) typical, grey.					
598.5	601.0	SHALE (SHL) grey to dark grey, white carbonate alteration dots, alternation of silty and graphitic layers, narrow quartz veining.					
601.0	603.0	ARENITE (AR) intercalated bed of typical arenite.					

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: goldboro  
HOLE No.: br65

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
603.0	636.8	BELT: QUARTZ VEIN, SHALE (BELT:QV,SHL) 80% quartz veining with intercalated lenses of graphitic shale, dark grey to black, 2-3% Aspy content.	13182	603.00	607.00	4.00	261	0.007
			13183	607.00	612.00	5.00	41	0.000
			13184	612.00	617.00	5.00	76	0.000
			13185	617.00	622.00	5.00	154	0.004
			13186	622.00	627.00	5.00	91	0.000
			13187	627.00	632.00	5.00	16	0.000
			13188	632.00	636.80	4.80	10000	0.380
636.8	641.0	ARENITE (AR) typical, grey, some large Aspy crystals dissem.						
641.0	655.5	BELT:QUARTZ VEIN, SHALE, VISIBLE GOLD (BELT:QV,SHL,VG) quartz veining with lenses of graphitic shale, 2-3% Aspy, Py, Cpy, Po @ 643': dot VISIBLE GOLD from 652.5-655.5: increase number of silty layers Apparent dip: 75 degrees.	13189	641.00	645.00	4.00	3000	0.110
			13190	645.00	650.00	5.00	561	0.018
			13191	650.00	655.50	5.50	183	0.005
655.5	673.0	ARENITE (AR) typical, more massive, medium grey, foliated :60 degrees. Large bleb of Aspy.						
673.0	676.0	QUARTZ VEIN (QV) with graphitic black shale, Aspy crystals at both edges.	13192	673.00	676.00	3.00	86	0.000
676.0	710.0	ARENITE (AR) typical with the following intercalations: 700-701: grey shale with pygmatic quartz vein, some Aspy.						
710.0	715.0	BELT: QUARTZ VEIN, SHALE (BELT:QV,SHL) quartz vein with black graphitic shale fragments to 714. Last ft.:black graphitic shale.	13193	710.00	715.00	5.00	29	0.000
715.0	755.5	ARENITE (AR) typical with the following intercalations: 749.3-751.0: grey shale bed. @ 723: 2" pygmatic quartz vein with associated shale. @ 729: 2" grey shale with pygmatic qtz. vein						
755.5	757.0	SHALE (SHL ind.) indurated shale, grey with carbonate alteration elongated white dots.						
		END OF HOLE : 757.0'						

BR-65





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

FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-151/05/8132 Date September 21, 1988

Received 208 Samples of Drill Core

Submitted by Narex Ore Search Consultants Att'n: Mr. Raymond J. Dehenne

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13245	382	13265	205
13246	183	13266	161
13247	245	13267	165
13248	1018 .034	13268	994 .027
13249	625 .022	13269	60
13250	1709 .050	13270	41
13251	89	13271	24
13252	85	13272	54
13253	163	13273	56
13254	704 .022	13274	85
13255	654 .019	13275	165
13256	3208 .093	13276	170
13257	565 .020	13277	61
13258	241	13278	63
13259	246	13279	83
13260	1898 .12	13280	87
13261	386	13281	1095 .033
13262	182	13282	99
13263	78	13283	3061 .084
13264	157	13284	188

ASSAYERS ONTARIO LABORATORIES

Per J. van Engelen Mgr.



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FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-151/06/8132 Date: September 21, 1988  
Received 208 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Att'n: Mr. Raymond J. Dehenne

Sample No.	Au ppb/oz/ton	
13285	75	
<i>BR 66</i> 13286	1051	.030
13287	4907	.14
13288	95	
13289	93	
13290	79	
13291	1163	.033
BR 101	4631	.13

\* FREE GOLD METHOD

ASSAYERS ONTARIO LABORATORIES

Per

  
J. van Engelen Mgr.



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FAX (416) 239-4012

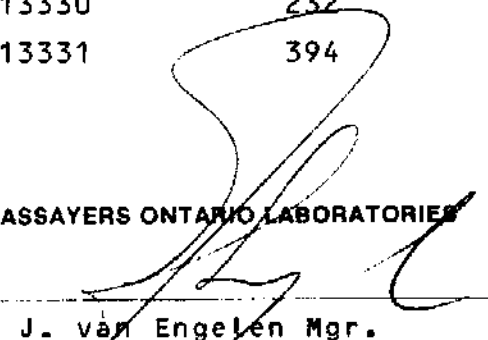
## Certificate of Analysis

Certificate No. NX-152/01/8192 Date: October 6, 1988  
Received 151 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Inc. Att'n: Dr. Karl A. Naert

BR 66

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13292	189	13312	52
13293	1101 .032	13313	511 .014
13294	846 .024	13314	78
13295	1208 .031	13315	793 .020
13296	6750 .20	13316	241
13297	208	13317	923 .026
13298	427 .013	13318	1438 .040
13299	1331 .035	13319	228
13300	183	13320	3219 .090
13301	172	13321	188
13302	68	13322	50
13303	1623 .043	13323	13
13304	* .002	13324	158
13305	1453 .040	13325	259
13306	819 .027	13326	>10000 2.91
13307	65	13327	* .80
13308	26	13328	191
13309	165	13329	325
13310	194	13330	232
13311	190	13331	394

ASSAYERS ONTARIO LABORATORIES

Per   
J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br66

Collar Eastings: 1489.50

Collar Northings: 167.32

Collar Elevation: 7.45

Collar Inclination: -90.00

Grid Bearing: 330.00

Final Depth: 1007.00 feet

Logged by: KAN

Date: September 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS	
						WIDTH	Au ppb Au oz/t
0	25.0	OVERBURDEN (OB)					
25.0	132.0	ARENITE (AR) Typical well foliated arenite with several sections bleached such as 60 to 106, 111 to 123.4 and 127 to 132. At the beginning the ground is blocky and several brecciated zones are present. The breccias are in general recemented with carbonate. Most prominent brecciation occurs at 55 to 60, and 123.6 to 127. From 106 to 111 the arenite contains narrow grey shale intercalations. The foliation varies from 60 degrees to sub-vertical.					
132.0	139.0	QUARTZ VEIN (QV) Quartz vein with lenses of graphitic shale and with some large aspy phenoblasts.	13267	132.00	135.00	3.00	165 0.005
			13268	135.00	137.00	2.00	994 0.027
			13269	137.00	139.00	2.00	60 0.001
139.0	156.5	GREYWACKE (GR) Massive grey greywacke with intercalations of graphitic shale from 140.7 to 144.0 and with some dark shale with quartz vein material from 146.0 to 151.0. There is a narrow bed of typical arenite from 144.0 to 146.0	13270	140.70	142.00	1.30	41 0.001
			13271	142.00	144.00	2.00	24 0.000
			13272	146.00	148.50	2.50	54 0.001
			13273	148.50	151.00	2.50	56 0.001
156.5	158.0	GRAPHITIC SHALE (GRAPH.SH) Graphitic shale with quartz vein fragments and trace py and aspy. The unit is fractured.	13274	156.50	158.00	1.50	85 0.002
158.0	195.2	ARENITE with SHALE intercal. (AR-SH) Typical arenite, siliceous displaying tension fractures filled with white carbonate. Shale at the following locations: 178.0 to 179.5 fractured black shale. From 181.0 to 182.2 fractured and brecciated zone filled with graphitic shale with trace aspy, recemented with white carbonate. From 183.5 to 186.3 fractured black graphitic shale. At 172.2 1 inch quartz vein with some graphitic inclusion. The arenite is lightly bleached and the foliation is 45 degrees	13275	181.00	182.20	1.20	165 0.005
			13276	183.50	186.20	2.70	170 0.005
		195.2 end of NQ					
195.2	216.0	BELT, GRAPHITIC SHALE (BELT, GR.SH) Graphitic shale with quartz vein material and some more silty beds intercalated. From 206.0 to 210.5 2-3% aspy, chlorite-rich and with qv From 210.5 to 211.5 a greywacke bed From 211.5 to 216.0 the graphitic shale contains 1 % aspy and is spotted with carbonate filled elongated spots.	13277	195.20	198.00	2.80	61 0.001
			13278	198.00	201.00	3.00	63 0.001
			13279	201.00	204.00	3.00	83 0.002
			13280	204.00	206.00	2.00	87 0.002
			13281	206.00	210.50	4.50	1095 0.033
			13282	210.50	216.00	5.50	99 0.003

HOLE No: br66

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br66

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
216.0	225.0	SHALY GREYWACKE (SHY GR) Shaly greywacke with intercalated narrow graphitic shale lenses.						
225.0	229.0	GRAPHITIC SHALE (GR.SH) Graphitic shale with spotted with chlorite lenses and with 2% aspy.	13283	225.00	229.00	4.00	3061	0.084
229.0	236.6	ARENITE (AR) Typical arenite, medium grey with foliation at 70 degrees.						
236.6	243.5	QUARTZ VEIN WITH BLACK SHALE (QV,BL.SH) Quartz veining with black shale fragments.	13284	236.60	240.00	3.40	188	0.005
			13285	240.00	243.50	3.50	75	0.002
243.5	301.5	ARENITE (AR) Typical arenite, well foliated, medium grey, with foliation 60 to 70 degrees. Contains grey fractured shale with quartz veining from 290.0 to 292.0 and from 293.0 to 295.0.						
301.5	311.8	BELT, GRAPHITIC SHALE (BELT, GRAPH.SH) Graphitic shale spotted with chlorite filled spots, with 1% aspy and overall 20% qv	13286	301.50	306.50	5.00	1051	0.030
			13287	306.50	311.80	5.30	4907	0.140
311.8	317.0	ARENITE (AR) Arenite, lightly shaly over the first foot.						
317.0	322.0	SHALE (SH) Spotted grey shale with a 2 inch quartz vein at the beginning, with trace aspy.	13288	317.00	322.00	5.00	95	0.002
322.0	328.5	ARENITE (AR) Typical foliated arenite with a grey shale bed from 325.0 to 325.3.						
328.5	334.0	SHALE (SH) Grey endurated shale, spotted with elongated carbonate filled spots, with minor quartz vein and some black shale lenses.	13289	328.50	334.00	5.50	93	0.002
334.0	335.3	ARENITE(AR) Typical foliated arenite.						
335.3	339.2	SHALE (SH) Grey shale						
339.2	341.7	QUARTZ VEIN (QV) Massive white quartz vein.	13290	339.20	341.00	1.80	79	0.002
341.7	366.0	ARENITE (AR) Typical foliated arenite, fractured with the fractures filled with quartz and carbonate.						
366.0	370.8	GREYWACKE (GR) Shaly greywacke, silty						
370.8	393.5	SHALE (SH) Grey endurated spotted shale, with elongated	13291	370.80	376.00	5.20	1163	0.033

HOLE No: br66

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORD  
HOLE No.: br66

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		carbonate and chlorite filled spots. A ptymatic quartz vein at 381.0. Several large aspy phenoblasts are present in the section. The elongated spots are parallel to core and a narrow silty bed has an apparent bedding of 45 degrees to core. The lower contact is 80 degrees to core.						
393.5	468.0	ARENITE (AR) Typical foliateed arenitye with bleached portions, with scattered aspy phenoblasts and with small quartz veins at the following locations: 4" at 397.4, 2" at 401.0 and 411.0, 1" at 417.0. The foliation is 55 degrees to core.						
468.0	479.0	SHALE (SH) Dark endurated shale with 1/2 to 1% aspy	13292	468.00	473.50	5.50	189	0.006
			13293	473.50	479.00	5.50	1101	0.032
479.0	489.2	ARENITE (AR) Typical foliated arenite.						
489.2	504.8	BELT, BLACK SHALE (BELT, BL.SH) Black shale with 2 to 5 % aspy and a quartz vein from 489.2 to 492.0. Elsewhere in the section there is about 20% quartz vein material with the shale.	13294	489.20	494.00	4.80	846	0.024
			13295	494.00	499.50	5.50	1208	0.031
			13296	499.50	504.80	5.30	6750	0.200
504.8	505.8	GREYWACKE (GR) Medium grained greywacke with trace aspy.						
505.8	532.5	ARENITE (AR) Typical foliated arenite, foliation at 75 degrees to core. At the lower end apparent bedding 45 degrees.						
532.5	543.0	SHALE (SH) Fine grained silty shale with a 3" qv at 542.0						
543.0	552.0	ARENITE (AR) Typical foliated arenite grading to greywacke at the end of the section.						
552.0	557.0	GREYWACKE (GR) Massive greywacke grading to shale.						
557.0	559.5	SHALE (SH) Dark grey shale with a greywacke bed from 558.5 to 559.5.						
559.5	565.5	QUARTZ VEIN (QV) Quartz vein with some chlorite, graphitic inclusions and several aspy phenoblasts.	13297	559.50	563.00	3.50	208	0.006
			13298	563.00	565.50	2.50	427	0.013
565.5	568.0	SHALE (SH) Black shale with silty layers with shale fragments for the last 1.5 feet.	13299	565.50	568.00	2.50	1331	0.035
568.0	663.0	ARENITE (AR) Typical weel foliated arenite, lightly bleached with a quartz vein from 598.0 to 600.0. Foliation at 65 degrees.						

HOLE No: br66

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br66

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH	Au ppb	Au oz/t
663.0	666.0	GREYWACKE (GR) Typical medium grained massive.						
666.0	668.4	SHALE (SH) Grey silty shale grading to sandy greywacke by 668.4.						
668.4	669.8	GREYWACKE (GR) Sandy greywacke.						
669.8	672.0	QUARTZ VEIN (QV) Quartz vein with some dark shale at the end. The shale contains a narrow fracture zone.	13300	669.80	672.00	2.20	183	0.006
672.0	678.5	GREYWACKE (GR) Massive greywacke with a quartz vein from 672.5 to 673.8.						
678.5	681.2	QUARTZ VEIN, BLACK SHALE (QV, BL.SH) Unit which contains about 50 % each of quartz vein material and black shale intermixed.	13301	678.50	681.20	2.70	172	0.005
681.2	695.0	ARENITE (AR) Typical foliated arenite.						
695.0	701.0	SHALE (SH) Grey shale grading to greywacke by 697.0. At the lower contact the apparent bedding is 60 degrees to core.						
701.0	716.0	ARENITE (AR) Typical well foliated arenite						
716.0	725.0	GREYWACKE SHALE (GR, SH) Grey shale grading to greywacke by 718.0 with another shale bed from 721.5 to 722.0.						
725.0	729.0	SHALE (SH) Dark silty shale with a narrow quartz vein and trace aspy.	13302	725.00	729.00	4.00	68	0.002
729.0	754.0	ARENITE (AR) Typical well foliated arenite, foliation 75 degrees						
754.0	759.0	SHALY GREYWACKE (SHLY GR) Shaly greywacke with a shale bedlet containing traces of aspy and chalcopryrite.						
759.0	781.0	ARENITE (AR) Typical foliated arenite, grading to greywacke from 779.5 to 781.0.						
781.0	827.5	GREYWACKE (GR) Massive greywacke with several shaly beds located as follows: 781.0 to 784.0 with a narrow qv silty shale from 821.5 to 825.0. From 825.0 to 827.5 the greywacke contains 1% aspy.						
827.5	837.0	QUARTZ VEIN (QV) Massive quartz vein with some graphitic fragments and with graphitic shale intercalations from 830.3 to 831.3 and from 834.0 to 835.0.	13303 13304	827.50 832.00	832.00 837.00	4.50 5.00	1623 70	0.043 0.002

HOLE No: br66

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORD  
HOLE No.: br66

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
837.0	852.0	SHALE (SH) Graphitic shale with 3% aspy to 839.5, followed by dark shale grading to greywacke by 843 and again dark shale by 847.2. At 843.0 the apparent bedding is 70 degrees to core while at 852.0 the apparent bedding is 45 degrees to core. Between 847.2 and 852.0 the shale contains 1-3 % aspy.	13305	837.00	839.50	2.50	1453	0.040
852.0	881.0	ARENITE (AR) Over the first foot greywacke grading to typical well foliated arenite with a dark silty shale bed from 871.5 to 875.5.	13306	847.20	852.20	5.00	819	0.027
881.0	908.5	GREYWACKE (GR) Typical massive greywacke with a silty shale bed between 890.0 and 893.0.						
908.5	915.0	SILTY SHALE- GREYWACKE (SH,GR) Silty shale with greywacke intercalations.						
915.0	923.0	ARENITE (AR) Typical foliated arenite.						
923.0	940.0	GREYWACKE (GR) Massive greywacke with a grey shale bed from 924.5 to 926.0, at the contact with the shale the apparent bedding is 45 degrees.						
940.0	957.5	ARENITE (AR) Typical arenite grading from greywacke of the first foot. Foliation is at 65 degrees to core.						
957.5	978.0	SHALE AND SHALY GREYWACKE (SH, SH.GR) Shale and shaly shaly greywacke with an apparent bedding along the contact with the arenite of 65 degrees to core.						
978.0	1007.0	ARENITE (AR) Typical well foliated arenite.						

END OF HOLE 1007

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
300.00	-88.00	325.00
600.00	-87.00	323.00
900.00	-88.00	226.00

HOLE No: br66



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br66

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS	
						WIDTH	Au ppb Au oz/t
		DEPTH      INCLINATION      BEARING					
		1007.00      -88.00      322.00					





# ASSAYERS ONTARIO LABORATORIES

A DIVISION OF ASSAYERS CORPORATION LTD.

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-152/01/8192

Date: October 6, 1988

Received 151 Samples of Drill Core

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

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13292	189	13312	52
13293	1101 .032	13313	511 .014
13294	846 .024	13314	78
13295	1208 .031	13315	793 .020
13296	6750 .20	13316	241
13297	208	13317	923 .026
13298	427 .013	13318	1438 .040
13299	1331 .035	13319	228
13300	183	13320	3219 .090
13301	172	13321	188
13302	68	13322	50
13303	1623 .043	13323	13
13304	* .002	13324	158
13305	1453 .040	13325	259
13306	819 .027	13326	>10000 2.91
13307	65	13327	* .80
13308	26	13328	191
13309	165	13329	325
13310	194	13330	232
13311	190	13331	394

ASSAYERS ONTARIO LABORATORIES

Per   
J. van Engelen Mgr.



# ASSAYERS ONTARIO LABORATORIES

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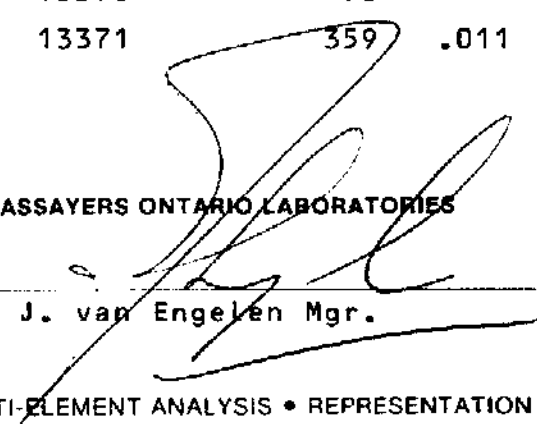
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## Certificate of Analysis

Certificate No. NX-152/02/8192 Date: October 6, 1988  
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Submitted by Narex Ore Search Consultants Inc. Att'n: Dr. Karl A. Naert

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13332	25	13352	262
<i>BR67</i> 13333	225	13353	161
13334	54	13354	808 .022
13335	692 .020	13355	76
13336	73	13356	189
13337	231	13357	318
13338	87	13358	153
13339	46	13359	800 .023
13340	19	13360	201
13341	25	13361	96
13342	>10000 1.04	13362	243
13343	235	13363	229
13344	1035 .026	13364	189
13345	1686 .048	13365	544 .017
13346	1240 .033	13366	195
13347	17	13367	484 .014
13348	80	13368	534 .015
13349	563 .015	13369	173
13350	3157 .087	13370	98
13351	37	13371	359 .011

ASSAYERS ONTARIO LABORATORIES

Per   
J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br67

Collar Eastings: 1656.82

Collar Northings: 62.34

Collar Elevation: 1.77

Collar Inclination: -90.00

Grid Bearing: 270.00

Final Depth: 1007.00 feet

Logged by: KAN

Date: September 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	31.0	OVERBURDEN (OB)						
31.0	89.0	ARENITE (AR) Typical foliated arenite with quartz veins at the following locations: 1 ft at 49.0, 0.8ft at 66.0, 0.3ft at 71.0, 0.5ft at 78.0 and 1 ft at 85.0.						
89.0	91.5	QUARTZ VEIN (QV) Massive quartz vein.	13309	89.00	91.50	2.50	165	0.005
91.5	174.5	ARENITE (AR) Weathered arenite, bleached, saccharoidal, with po and aspy. Bleaching diminishes with depth. No recovery from 116.0 to 120.0, heavy breakage and 30% recovery from 156.0 to 160.0. Quartz vein with some shale from 168.0 to 169.0 and from 174.0 to 174.5. Sample take for whole rock analysis: SiO2: 56.25%; Al2O3: 12.14%; Fe2O3: 2.82%; CaO: 10.90% MgO: 0.71%; Na2O: 3.81%; K2O: 4.13%; TiO2: 0.36%; MnO: 0.15%; P2O5: 0.21%; L.O.I. 7.98% Ba 467 ppm; Cr 841 ppm; Nb 23 ppm; Sr 143 ppm; Y 69 ppm; Zr 404 ppm.	13310	91.50	95.00	3.50	194	0.006
174.5	189.0	GREYWACKE-ARENITE (GR-AR) Greywacke arenite with a few beds of regular greywacke and some spotted shale at 183.0 and 189.0						
189.0	192.8	SHALE (SH) Grey spotted shale with biotite-chlorite filled spots with a narrow qv with po at 190.5 and narrow greywacke beds from 190.5 to 191.5 and from 192.2 to 192.6.						
192.8	229.5	ARENITE (AR) Typical well foliated arenite with foliation at 80 degrees to core. With dark spotted shale between 213.0 and 216.0 and a greywacke bed grading to arenite from 216.0 to 217.0						
229.5	255.0	BELT, DARK TO BLACK SHALES (BELT, SH) Dark to black graphitic shales, spotted with chlorite and carbonate filled spots. With quartz veins from 243.0 to 247.5 and 40 % quartz within the black shales from 249.5 to 255.0 The apparent bedding is 55 degrees to core. Between 237.5 and 243.0 and again between 249.5 and 255.0 the core contains 2% aspy. Between 237.5 and 243.0 there is a 30cm qv.	13311 13312 13313 13314 13315 13316	229.50 235.50 237.50 243.00 248.00 249.50	235.50 237.50 243.00 248.00 249.50 255.00	6.00 2.00 5.50 5.00 1.50 5.50	190 52 511 78 793 241	0.006 0.001 0.014 0.002 0.020 0.008
255.0	266.8	ARENITE (AR) Typical well foliated arenite.						
266.8	283.5	BLACK SHALE (BL.SH) 1 ft quartz vein followed by spotted black shale with biotite-chlorite filled spots. With	13317 13318	266.80 271.00	271.00 276.60	4.20 5.60	923 1438	0.026 0.040

HOLE No: br67

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br67

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		2-3% aspy from 256.8 to 276.6 and 2% from 278.0 to 283.5. A greywacke bed from 276.5 to 278.0.	13319	276.60	278.00	1.40	228	0.007
			13320	278.00	283.50	5.50	3219	0.090
283.5	287.2	GREYWACKE (GR) Massive greywacke with aspy phenoblasts.						
287.2	290.0	QUARTZ VEIN (QV,SH) Quartz vein with 20 % graphitic shale.	13321	287.20	290.00	2.80	188	0.006
290.0	298.8	ARENITE (AR) Typical arenite						
298.8	302.0	QUARTZ VEIN (QV SH) Quartz vein with 10% graphitic shale.	13322	298.00	302.00	4.00	50	0.001
302.0	334.2	ARENITE (AR) Typical arenite with 2" qv at 317.2 and qv from 332.2 to 333.2.						
334.2	345.2	BELT, BLACK SHALE (BELT, BL.SH) Black to graphitic shale with less than 1% aspy and narrow quartz veining throughout the section. A major quartz vein from 334.5 to 338.0	13323	334.20	338.00	3.80	13	0.000
			13324	338.00	342.00	4.00	158	0.005
345.2	390.5	ARENITE (AR) Irregularly foliated arenite, with a foliation at 80 degrees to core. A grey shale bed from 376.0 to 377.4 and again at 386.0.	13325	342.00	345.70	3.70	259	0.008
390.5	418.0	BELT, QUARTZ VEIN, BLACK SHALE (BELT, QV, BL.SH) Black shale with quartz veins containing graphitic shale fragments. From 394.7 to 410.0 90% quartz. An arenite bed from 410 to 414.5.	13326	390.50	394.50	4.00	10000	2.910
			13327	394.50	398.00	3.50	10000	0.800
			13328	398.00	403.00	5.00	191	0.006
			13329	403.00	407.00	4.00	325	0.010
			13330	407.00	410.00	3.00	232	0.007
			13331	410.00	414.00	4.00	394	0.010
			13332	414.00	418.00	4.00	25	0.000
418.0	453.5	ARENITE (AR) Typical arenite with a sub-vertical foliation and with black shale containing 1-2% aspy and .8ft qv from 439.0 to 441.5	13333	439.00	441.50	2.50	225	0.007
453.5	456.8	QUARTZ VEIN (QV) Quartz vein with at each end 15 cm black shale. The qv contains graphitic shale fragments and aspy phenoblasts. The apparent bedding along the contact is 45 degrees to core.	13334	453.50	456.80	3.30	54	0.001
456.8	515.0	ARENITE (AR) Typical arenite with a 1" shale bed at 464.0 and grey shale from 469.0 to 470.0 and again from 473.0 to 475.0. Apparent bedding 30 degrees to core. Quartz vein from 477.5 to 479.5 with a 10 cm grey shale bed containing VG and some aspy phenoblasts. Other quartz veins from 482.0 to 482.5, 496.5 to 497.0, 502.0 to 502.3, 507.6 to 508.0, 512.0 to 512.2.	13335	477.00	479.50	2.50	692	0.020

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br67

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
515.0	538.0	GREYWACKE-SHALE (GR,SH) Greywacke with grey shale intercalations 521.5 to 517.4 and 526.0 to 528.0. Quartz vein from 516.9 to 517.4 Apparent bedding 55 degrees to core.						
538.0	544.5	SHALE (SH) Dark to black spotted shale with carbonate filled spots.	13336	538.00	542.00	4.00	73	0.002
			13337	542.00	544.50	2.50	231	0.007
544.5	562.0	ARENITE (AR) Typical arenite with a quartz vein and some greywacke containing a small spot VG.	13338	553.20	554.20	1.00	87	0.006
562.0	570.0	SHALE (SH) Dark to black shale with a narrow ptygmatic qv and an arenite bed from 564.0 to 56.0. The core is broken around 567.2.	13339	562.00	564.00	2.00	46	0.001
			13340	564.00	566.00	2.00	19	0.000
			13341	566.00	570.00	4.00	25	0.000
570.0	583.0	ARENITE (AR,SH) Typical arenite with a spotted graphitic shale bed with 2-3% aspy from 575.5 to 578.5.	13342	575.50	578.50	3.00	10000	1.040
583.0	587.0	SHALE (SH) Dark shale with a 8" qv.						
587.0	609.0	ARENITE (AR) over the first two feet grading from greywacke to arenite.						
609.0	611.2	SHALE (SH) Grey shale with 8" quartz vein with chlorite.						
611.2	623.0	GREYWACKE (GR) Medium grained greywacke with an apparent bedding at the upper contact of 30 degrees, becoming fine grained and shale at 620.0 grading to arenite by 623.0.						
623.0	630.0	ARENITE (AR) Typical arenite.						
630.0	635.5	SHALE (SH) Grey silty shale with apparent bedding at the contact of 25 degrees to core. At the end grading to arenite.						
635.5	677.0	ARENITE (AR) Typical well foliated arenite, with foliation at 80 degrees to core. With a shaly greywacke bed from 638.0 to 640.0, and a grey shale with a very narrow ptygmatic qv from 672.0 to 673.0.						
677.0	689.0	SHALE (SH) Dark to graphitic shale, spotted with white carbonate and biotite-chlorite filled spots and from 686.0 grading slowly to greywacke.	13343	677.00	682.00	5.00	235	0.007
			13344	682.00	687.00	5.00	1035	0.026

HOLE No: br67

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br67

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
689.0	693.5	GREYWACKE (GR) Massive greywacke with a 1" qv at 690.5.						
693.5	700.0	SHALE (SH) Dark spotted shale. The spots are elongate and are filled with white carbonate.						
700.0	703.5	SHALY GREYWACKE (SH.GR) Shaly greywacke, changing abruptly to arenite at the end.						
703.5	711.5	ARENITE (AR) Typical well foliated arenite.						
711.5	718.5	SHALE (SH) Dark spotted shale with elongate spots filled with carbonate and chlorite-biotite.						
718.5	733.0	SHALY GREYWACKE (SH.GR) Shaly greywacke with a shale bed with quartz from 721.5 to 724.0.						
733.0	750.5	ARENITE (AR) Typical well foliated arenite with a shale bed from 747.0 to 747.3.						
750.5	778.0	BELT, BLACK SHLE SH, QUARTZ VEIN (BELT,BL.SH,QV) Black to graphitic shale,spottedand with 1-2%aspy to 752.5, with an apparent bedding at 70 degrees to core. From 752.5 to 759.0 quartz vein wiyh minor graphitic fragments and some Feldspar crystals and aspy phenoblasts. From 759.0 to 770.5 intercalated qv and graphitic shale with 3-5% aspy (50% qrtz). From 770.5 to 778.0 quartz vein with graphitic shale fragments and the last 2 cm shale with 2% aspy.	13345	750.50	752.50	2.00	1686	0.048
			13346	752.50	755.50	3.00	1240	0.033
			13347	755.50	759.00	3.50	17	0.000
			13348	759.00	763.00	4.00	80	0.006
			13349	763.00	767.00	4.00	563	0.015
			13350	767.00	770.50	3.50	3157	0.087
			13351	770.50	774.00	3.50	37	0.001
13352	774.00	778.00	4.00	262	0.008			
778.0	822.7	ARENITE (AR) Greywacke grading to arenite to 786.0 followed by typical well foliated arenite with the foliation 50-65 degrees to core. With quartz veins at the following locations: 792.0 to 793.5, 812.5 to 812.6, 822.5 to 822.7.						
822.7	825.5	GREYWACKE (GR) Massive greywacke grading to more shale greywacke.						
825.5	842.0	BELT SHALE (BELT,SH) Over the first foot the greywacke grades to dark shale with a 1/2ft quartz vein. From 823.5 to 833.5 black to graphitic shale with 3-5% aspy, spotted shale with the spots filled in the centre aspy and at the edges biotite chlorite and carbonate. Quartz content of the section 25%. Apparent bedding 25 degrees to core. Over 3" at the end the shale grades to greywacke to 836.6. From 836.6 to 842.0 again black to graphitic shale with 30% quartz and some	13353	825.50	829.00	3.50	161	0.005
			13354	829.00	833.50	4.50	808	0.022
			13355	833.50	836.60	3.10	76	0.002
			13356	836.60	839.00	2.40	189	0.006
			13357	839.00	842.00	3.00	318	0.009

HOLE No: br67



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORD  
HOLE No.: br67

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
		Feldspar crystals. The shale contains 3-5% aspy. The are large aspy phenoblasts in the quartz.						
842.0	853.5	ARENITE (AR) Typical well foliated arenite.						
853.5	857.0	BLACK SHALE QUARTZ (BL.SH, QRTZ) Black shale with 50% quartz	13358	853.50	857.00	3.50	153	0.005
857.0	864.6	GREYWACKE (GR) Massive greywacke and the end grading to arenite with quartz vein with shale from 858.5 to 859.2.						
864.6	872.5	QUARTZ VEIN ,SHALE (QV SH) Quartz vein with dark shale from 864.6 to 866.0 and a 1" graphite seam at 871.8 together with a brecciated zone over 2". The quartz contains some large aspy phenoblasts.	13359	864.60	866.00	1.40	800	0.023
			13360	866.00	869.00	3.00	201	0.006
			13361	869.00	872.50	3.50	96	0.003
872.5	932.0	ARENITE (AR) Typical with scattered aspy phenoblasts and quartz veins at the following locations: 878.0 to 878.5, 902.0 to 903.2 926.7 to 926.8, the whole grading to arenite greywacke at 932.0						
932.0	937.0	ARENITE-GREYWACKE (AR-GR) sandy greywacke with scattered aspy phenoblasts.						
937.0	943.5	QUARTZ VEIN (QV) Quartz vein with some grey shale fragments	13362	937.00	940.00	3.00	243	0.008
			13363	940.00	943.50	3.50	229	0.007
			0	0.00	0.00	-0.00	0	0.000
943.5	1007.0	ARENITE (AR) Arenite with an irregular not well developed foliation 45 to 60 degrees to core and with a quartz vein from 948.8 to 949.5 and narrow veinlets at 956.0 and 972.0 The rock is rather bleached from 1000.5 to 1002.0.						

END OF HOLE 1007.0

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
300.00	-90.00	253.00
600.00	-89.00	209.00
900.00	-88.00	276.00

HOLE No: br67

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br67

Page 6

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS	
						WIDTH	Au ppb Au oz/t
		DEPTH      INCLINATION      BEARING					
		1007.00      -90.00      419.00					

BR-67



# ASSAYERS ONTARIO LABORATORIES

A DIVISION OF ASSAYERS CORPORATION LTD.

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

FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-152/03/8192

Date: October 6, 1988

Received 151 Samples of Drill Core

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

*BR 68*

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13372	27	13392	172
13373	112	13393	861 .024
13374	33	13394	42
13375	16	13395	163
13376	188	13396	70
13377	1153 .035	13397	713 .022
13378	4050 .12	13398	231
13379	3783 .11	13399	220
13380	789 .021	13400	3694 .10
13381	661 .018	13401	1130 .030
13382	1501 .046	13402	733 .019
13383	2718 .078	13403	43
13384	215	13404	1649 .051
13385	537 .015	13405	3776 .11
13386	158	13406	4351 .12
13387	199	13407	99
13388	161	13408	229
13389	93	13409	2070 .058
13390	182	13410	230
13391	45	13411	13

# 13374 Ag ppm  
4.4

Pb ppm  
2067

ASSAYERS ONTARIO LABORATORIES

Per J. van Engelen Mgr.



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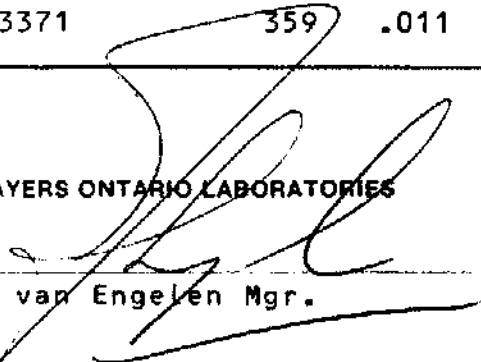
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Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13332	25	13352	262
<i>BR67</i> 13333	225	13353	161
13334	54	13354	808 .022
13335	692 .020	13355	76
13336	73	13356	189
13337	231	13357	318
13338	87	13358	153
13339	46	13359	800 .023
13340	19	13360	201
13341	25	13361	96
13342	>10000 1.04	13362	243
13343	235	13363	229
13344	1035 .026	<i>BR68</i> 13364	189
13345	1686 .048	13365	544 .017
13346	1240 .033	13366	195
13347	17	13367	484 .014
13348	80	13368	534 .015
13349	563 .015	13369	173
13350	3157 .087	13370	98
13351	37	13371	359 .011

ASSAYERS ONTARIO LABORATORIES

Per   
J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br68

Collar Eastings: 1645.34

Collar Northings: 183.73

Collar Elevation: 5.28

Collar Inclination: -90.00

Grid Bearing: 220.00

Final Depth: 1007.00 feet

Logged by: KAN

Date: September 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	35.0	OVERBURDEN (OB)						
35.0	68.0	ALTERNATING ARENITE AND GRAPHITIC SHALE (AR-GRAPH.SH) Arenite and graphitic shale alternating as follows: 35.0 to 48.0 broken arenite 48.0 to 54.0 fractured graphitic shale, poor recovery 54.0 to 62.0 arenite, brecciated from 56.0 to 57.0 62.0 to 64.8 graphitic shale with 1-2% aspy 64.8 to 66.0 irregularly foliated arenite 66.0 to 68.0 graphitic shale, with arenite bedlets	13364 13365 13366	48.00 62.00 66.00	54.00 64.80 68.00	6.00 2.80 2.00	189 544 195	0.006 0.017 0.006
68.0	81.0	ARENITE (AR) Irregularly foliated arenite						
81.0	85.0	QUARTZ VEIN (QV,SH) Quartz vein with graphitic shale fragments Some brecciation within the quartz vein.	13367	81.00	85.00	4.00	484	0.014
85.0	105.0	ARENITE (AR) Arenite with occasional aspy phenoblasts and quartz veins at the following locations: 91.0; 96.0; 101.0 to 103; at 103.1 VG in quartz.						
105.0	115.0	GRAPHITIC SHALE (GRPH.SH) Graphitic shale beds in arenite, very broken and brecciated, could be a fracture zone or very intense weathering.						
115.0	165.5	ARENITE (AR) Arenite with some graphitic mud-seams. Foliation varies from 60 degrees to sub-parallel to core. Core size change from NQ to BQ at 151.0.						
165.5	168.0	QUARTZ VEIN (QV) White quartz vein, massive						
168.0	181.0	ARENITE (AR) Better foliated arenite with a few graphitic mud-seams.	13368	176.50	181.00	4.50	534	0.015
181.0	188.0	SHALE (SH) Black to graphitic shale with 3 10cm quartz veins.	13369 13370	181.00 185.00	185.00 188.00	4.00 3.00	173 98	0.005 0.003
188.0	235.0	ARENITE (AR) Typical arenite, foliation sub-parallel to core with quartz veins: 50% from 188.0 to 190.0, a sub-parallel vein from 201.0 to 202.5. With narrow shale beds with quartz from 208.0 to 209.0.						
235.0	248.5	GREYWACKE (GR) Massive to vaguely foliated greywacke.						

HOLE No: br68

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br68

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
248.5	252.5	ARENITE (AR) Arenite with several narrow beds of spotted shale, with quartz veining sub-parallel to core.						
252.5	260.0	QUARTZ VEIN (QV) White quartz vein	13371	252.50	257.00	4.50	359	0.011
			13372	257.00	260.00	3.00	27	0.000
260.0	264.0	SHALE (SH) Dark spotted endurated shale.	13373	260.00	264.00	4.00	112	0.003
264.0	292.0	GREYWACKE (GR) Massive greywacke with a few minor beds of endurated shale.						
292.0	314.0	SHALE (SH) Dark endurated shale with several small qv, major qv from 297.2 to 298.0, 298.5 to 302.0 which also contains chlorite and galena and a qv sub-parallel to core from 303.0 to 304.0. sample # 13374: 296.8 to 302.0: 4.4 ppm Ag; 2067 ppm Pb	13374	296.80	302.00	5.20	33	0.001
			13375	302.00	307.00	5.00	16	0.000
314.0	318.0	GREYWACKE (GR) Massive greywacke.						
318.0	340.5	ARENITE (AR) Typical well foliated arenite, with foliation varying between 60 and 70 degrees to core. An apparent bedding along the lower contact of 75 degrees to core.						
340.5	344.0	SHALE (SH) Spotted grey shale, with elongated wavy white carbonate filled spots.						
344.0	350.0	GREYWACKE (GR) Medium grained massive greywacke.						
350.0	358.5	SHALE (SH) Spotted grey shale as from 340.5 to 344.0						
358.5	388.8	ARENITE (AR) Typical well foliated arenite with some small fractures recemented with white carbonate. Spotted grey shale from 374.0 to 375.0. Quartz vein with some Feldspar and a 2" dark shale from 380.5 to 383.2 with at the end large aspy phenoblasts.	13376	380.00	383.20	3.20	188	0.006
388.0	397.8	ARENITE (AR) Typical well foliated arenite.						
397.8	414.5	GREYWACKE (GR) Greywacke grading to shaly greywacke after 1.5 ft. with a grey biotite-chlorite spotted shale bed. An apparent bedding along the shale 77 degrees to core.						
414.5	417.4	SHALE (SH) Dark wavy spotted shale with carbonate filled spots						

HOLE No: br68

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br68

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		and with a narrow ptygmatic qv. Grading to greywacke.						
417.4	429.4	GREYWACKE (GR) Lightly foliated greywacke with a more shaly bed over 1.5 ft at the end of the section.						
429.4	444.8	ARENITE (AR) Typical well foliated arenite, foliation 70 degrees and with a greywacke bed from 443.8 to 444.8. At the contact the apparent bedding is 70 degrees to core.						
444.8	463.2	BELT, GRAPH. SHALE, QUARTZ (BELT,SH,QV) Graphitic shale with various amounts of quartz and aspy distributed as follows. 444.8 to 446.5 graphitic shale with 2% aspy 446.5 to 447.0 quartz vein with Feldspar 447.0 to 448.8 graphitic shale 448.8 to 459.8 quartz vein with graphitic shale fragments 459.8 to 462.2 quartz vein with 20% graphitic shale 462.2 to 463.2 graphitic shale	13377	444.80	448.80	4.00	1153	0.035
			13378	448.80	454.00	5.20	4050	0.120
			13379	454.00	459.80	5.80	3783	0.110
			13380	459.80	463.20	3.40	789	0.021
463.2	472.8	ARENITE (AR) Typical well foliated arenite						
472.8	483.0	QUARTZ VEIN SHALE (QV,SH) Black shale with an apparent bedding of 75 degrees to core over the first 2 ft followed by quartz vein with black shale fragments to 479.5, followed by black endureated shale to the end.	13381	472.80	475.00	2.20	661	0.018
			13382	475.00	479.50	4.50	1501	0.046
			13383	479.50	482.00	2.50	2718	0.078
483.0	509.2	ARENITE (AR) Typical arenite with a more greywacke like bed at both end of the section, foliation 70 degrees to core.						
509.2	546.0	BELT, QUARTZ VEIN, BLACK SHALE (BELT, QV, BL.SH) Black graphitic shale with quartz veins containing fragments of graphitic shale at the following locations: 509.4 to 512.0 with trace aspy 519.0 to 519.5; 526.0 to 528.0; 530.5 to 531.5; 540.5 to 540.8; 542.0 to 542.3. From 538.0 to 546.0 the shale is more silty and from 544.0 to 546.0 the shale grades to arenite over greywacke.	13384	509.20	514.00	4.80	215	0.007
			13385	514.00	519.00	5.00	537	0.015
			13386	519.00	524.00	5.00	158	0.005
			13387	524.00	529.00	5.00	199	0.006
			13388	529.00	534.00	5.00	161	0.005
			13389	534.00	538.00	4.00	93	0.003
			13390	538.00	543.00	5.00	182	0.006
			13391	543.00	546.00	3.00	45	0.001
546.0	643.0	ARENITE (AR) Typical arenite with a 60 degree to core foliation. some parts seem lightly silicified while others display dissolution along fractures. A shaly greywacke bed from 621.5 to 623.8 with the contact at 72 degrees to core and a grey silty shale from 632.1 to 632.8. Lower contact 50 degrees.						
643.0	655.9	BELT, BLACK SHALE (BELT BL.SH) Dark spotted shale with biotite	13392	643.00	646.00	3.00	172	0.005

HOLE No: br68



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br68

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
		filled spots to 646.0 and black shales with 40% quartz and 2-3% aspy to the end.	13393	646.00	651.00	5.00	861	0.024
			13394	651.00	655.90	4.90	42	0.001
655.9	657.1	GREYWACKE (GR) Medium grained greywacke						
657.1	658.2	SHALE (SH) Dark silty shale grading rapidly to arenite	13395	655.90	658.20	2.30	163	0.005
658.2	677.7	ALTERNATING ARENITE DARK SHALE (AR,SH) Alternating beds of typical arenite and dark to black shale distributed as follows: 658.2 to 661.7 arenite 661.7 to 672.9 dark shale with 1-2% aspy and 20 % qrtz 672.9 to 676.5 shale grading to arenite 676.5 to 677.7 dark spotted shale with ptigmatic qv	13396	658.20	661.70	3.50	70	0.002
			13397	661.70	667.00	5.30	713	0.022
			13398	667.00	672.90	5.90	231	0.007
77.7	737.5	ARENITE (AR) Typical well foliated arenite, with solution cavities predominantly along fracture planes perpendicular to the foliation. Grey shale unit breccia 702.0 to 702.2 and 710.3 to 710.5						
737.5	742.3	SHALE (SH) Totally broken dark shale						
743.3	754.5	SHALY GREYWACKE, GREYWACKE (SHLY GR, GR) Shaly greywacke with minor qv. Vaguely foliated greywacke from 745.0 to 549.0. Brecciated shaly greywacke from 749.0 to 751.0. Massive greywacke from 751.0 to 754.5.	13399	737.50	745.30	7.80	220	0.007
754.5	763.5	ARENITE (AR) Typical arenite with dissolution features along fractures.						
763.5	768.0	SHALY GREYWACKE (SHLY GR) Grey shaly greywacke with some grey shale beds.						
768.0	776.9	ARENITE (AR) Typical arenite with some minor shaly beds.						
776.9	791.0	SHALE, SHALY GREYWACKE (SH, SHLY GR) Grey shale and shaly greywacke with a quartz vein from 787.5 to 788.5						
791.0	802.0	ARENITE (AR) Typical irregularly foliated arenite. Foliation at 60 to 80 degrees to core.						
802.0	803.0	FRACTURE (FAULT ZONE) Graphite filled fracture zone within arenite.						
803.0	868.0	ARENITE (AR) Typical irregularly foliated arenite with						

HOLE No: br68

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br68

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
		broken core from 821.7 to 822.2. The arenite at the broken zone is recemented with carbonate and quartz. At the end the arenite grades to greywacke.						
868.0	878.0	GREYWACKE (GR) Massive greywacke						
878.0	891.5	ARENITE (AR) Typical arenite with foliation at 52 degrees to core.						
891.5	895.0	SHALE (SH) Grey silty shale with wavy elongated grey spots. Apparent bedding at 78 degrees to core.						
895.0	897.0	ARENITE (AR) Typical arenite grading to greywacke						
897.0	900.3	GREYWACKE (GR) Massive greywacke						
900.3	911.0	BELT, BLACK SHALE (BELT BL.SH) Dark to black shale with trace po, 1-3% aspy and 5% quartz.	13400	900.30	905.30	5.00	3694	0.100
			13401	905.30	911.00	5.70	1130	0.030
911.0	916.7	GREYWACKE (GR) lightly foliated sandy greywacke						
916.7	919.9	BLACK SHALE (BL.SH) Black shale wit 3% aspy and 30R quartz vein material.	13402	916.70	919.70	3.00	733	0.019
919.9	1007.0	ARENITE (AR) Typical arenite with minor shaly beds at: 954.5 to 955.1 and 972.0 to 974.5. The foliation is at 58 degrees to core while the apparent bedding at 72 degrees.						

END OF HOLE 1007.0

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
300.00	-90.00	215.00
600.00	-89.00	180.00
900.00	-89.00	363.00
1007.00	-89.00	385.00

HOLE No: br68

BR-68



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

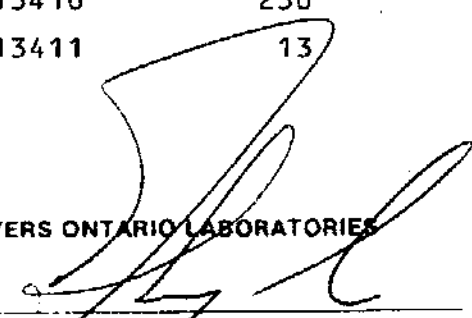
*BR 68*

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13386	158	13406	4351 .12
13387	199	13407	99
13388	161	13408	229
13389	93	13409	2070 .058
13390	182	13410	230
13391	45	13411	13

*BR 69*

# 13374 Ag ppm 4.4 Pb ppm 2067

ASSAYERS ONTARIO LABORATORIES

Per   
 J. van Engelen Mgr.



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Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13412	29	13432	106
13413	947 .029	13433	16
13414	88	13434	35
BR 69 13415	83	13435	923 .026
13416	221	13436	97
13417	>10000 .40	13437	462 .013
13418	1719 .048	13438	1417 .040
13419	183	13439	32
13420	1158 .030	13440	89
13421	4086 .11	13441	2572 .070
13422	182		
13423	39		
13424	191		
13425	14		
13426	19		
13427	72		
13428	763 .022		
13429	212		
13430	16		
13431	1269 .038		

\* FREE GOLD METHOD

ASSAYERS ONTARIO LABORATORIES

Per

  
J. van Engelen Mgr.



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FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-152/03/8192 Date: October 6, 1988

Received 151 Samples of Drill Core

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

*BR 68*

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13372	27	13392	172
13373	112	13393	861 .024
13374	33	13394	42
13375	16	13395	163
13376	188	13396	70
13377	1153 .035	13397	713 .022
13378	4050 .12	13398	231
13379	3783 .11	13399	220
13380	789 .021	13400	3694 .10
13381	661 .018	13401	1130 .030
13382	1501 .046	13402	733 .019
13383	2718 .078	<i>BR 70</i> 13403	43
13384	215	13404	1649 .051
13385	537 .015	13405	3776 .11
13386	158	13406	4351 .12
13387	199	13407	99
13388	161	13408	229
13389	93	<i>BR 69</i> 13409	2070 .058
13390	182	13410	230
13391	45	13411	13

# 13374 Ag ppm  
4.4

Pb ppm  
2067

ASSAYERS ONTARIO LABORATORIES

Per J. van Engelen Mgr.



# ASSAYERS ONTARIO LABORATORIES

A DIVISION OF ASSAYERS CORPORATION LTD.

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-152/01/8192 Date: October 6, 1988  
 Received 151 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Dr. Karl A. Naert

BR 66

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13292	189	13312	52
13293	1101 .032	13313	511 .014
13294	846 .024	13314	78
13295	1208 .031	13315	793 .020
13296	6750 .20	13316	241
13297	208	13317	923 .026
13298	427 .013	13318	1438 .040
13299	1331 .035	13319	228
13300	183	13320	3219 .090
13301	172	13321	188
13302	68	13322	50
13303	1623 .043	13323	13
13304	* .002	13324	158
13305	1453 .040	13325	259
13306	819 .027	13326	>10000 2.91
13307	65	13327	* .80
13308	26	13328	191
13309	165	13329	325
13310	194	13330	232
13311	190	13331	394

BR 70

BR 67

ASSAYERS ONTARIO LABORATORIES

Per   
 J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br69

Collar Eastings: 1566.60

Collar Northings: 18.04

Collar Elevation: 5.28

Collar Inclination: -90.00

Grid Bearing: 330.00

Final Depth: 1007.00 feet

Logged by: KAN

Date: September 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	37.0	OVERBURDEN (OB)						
37.0	264.0	ARENITE (AR) Typical well foliated arenite. Foliation 60 degrees to sub-parallel to core. From 99.0 to 109.0 weathered and broken. Lightly bleached from 119.0 to 138.0 and weathered again from 138.0 to 153.5. At 153.5 small open space filled qv. Lightly bleached again to 193.0 From 193.0 to 200.6 more massive arenite, with foliation at 62 degrees to core. At 201.0 change from NG to BQ From 200.6 to 215 typical arenite with carbonate stringers. From 215.0 to 232.0 lightly bleached with an irregular foliation. Aspy phenblasts at 246.7.						
264.0	278.8	GREYWACKE (GR) Massive medium grained medium grey sandy greywacke along a sharp contact with the arenite. Apparent bedding 42 degrees to core.						
278.8	283.3	SHALE (SH) Grey spotted shale with elongated spots filled with white carbonate and biotite-chlorite.						
283.3	284.2	GREYWACKE (GR) Typical massive greywacke.						
284.2	290.5	SHALE (SH) Grey endurated shale along an apparent bedding contact at 65 degrees to core with a quartz vein. Apparent bedding at the end of the section 72 degrees to core.						
290.5	292.8	GREYWACKE (GR) Lightly foliated greywacke, sub-vertical foliation.						
292.8	294.8	SHALE (SH) Grey spotted shale, with spots filled with chlorite-biotite and with 30% qv material. Apparent bedding 62 degrees to core.						
294.8	297.1	GREYWACKE (GR) Lightly foliated greywacke.						
297.1	305.5	QUARTZ VEIN, BLACK SHALE (QV BL.SH) Quartz vein with 30% black shale. Quartz vein contains some Feldspar crystals.						
305.5	339.0	ARENITE (AR) Bleached arenite with irregular foliation with a 10cm quartz vein sub-parallel to core.						



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br69

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
339.0	346.5	BELT, BLACK SHALE (BELT,BL.SH) Black to graphitic shale with 35% quartz, 1-2% aspy and a few aspy phenoblasts.	13408	339.00	343.00	4.00	229	0.007
			13409	343.00	346.50	3.50	2070	0.058
346.5	373.2	ARENITE (AR) Typical well foliated arenite with foliation sub-parallel to core.						
373.2	378.0	BLACK SHALE (BL.SH) Black graphitic shale with qv and Feldspar crystals from 373.3 to 374.8	13410	373.20	378.00	4.80	230	0.007
378.0	387.3	ARENITE (AR) Typical well foliated arenite with scattered aspy phenoblasts. QV from 381.8 to 382.3						
387.3	447.2	BELT, BLACK SHALE, QUARTZ VEIN (BELT,BL.SH,QV) Black to graphitic shale with varying amounts of quartz and aspy to 391.3 2% aspy. Quartz vein from 391.3 to 393.8 graphitic shale from 393.8 to 397.0 quartz vein with 10% greywacke from 397.0 to 407.0 black to graphitic shale from 407.0 to 413.0 massive greywacke from 413.0 to 416.0 from 416.0 to 421.0 dark to graphitic shale with 2% aspy and an apparent bedding of 60 degrees to core. greywacke from 421.0 to 423.0 From 423.0 to 428.0 grey endurated shales 428.0 to 442.0 silty spotted shale with carbonate filled spots 442.0 to 447.2 dark shale with 1% aspy and 20% quartz.	13411	387.30	391.30	4.00	13	0.000
			13412	391.30	393.80	2.50	29	0.000
			13413	393.80	397.00	3.20	947	0.029
			13414	397.00	402.00	5.00	88	0.002
			13415	402.00	407.00	5.00	83	0.002
			13416	407.00	413.00	6.00	221	0.007
			13417	416.00	421.00	5.00	10000	0.400
			13418	421.00	423.00	2.00	1719	0.048
			13419	423.00	428.00	5.00	183	0.006
			13420	442.00	447.20	5.20	1158	0.030
447.2	452.0	ARENITE (AR) Typical arenite						
452.0	455.5	SHALE (SH) Dark shale with 20% quartz						
455.0	490.0	ARENITE (AR) Typical well foliated arenite , foliation 80 degrees to sub-parallel to core.						
490.0	492.0	SHALE (SH) Dark spotted shale with carbonate filled spots grading over greywacke to arenite.						
492.0	512.0	ARENITE (AR) Typical arenite with a shaly bed from 499.2 to 500.2. Apparent bedding at the shale contact 65 degrees to core Foliation in the arenite 80 degrees to core.						
512.0	516.2	GREYWACKE (GR) coarse greywacke with a bed of shaly greywacke from 515.0 to 516.2.						

HOLE No: br69

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br69

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
516.2	517.0	QUARTZ VEIN (QV) Massive quartz vein						
517.0	530.4	GREYWACKE (GR) Greywacke and shaly greywacke with a narrow quartz vein at 521.2. Apparent bedding at the lower contact 68 degrees to core						
530.4	568.2	ARENITE (AR) Medium grained well foliated arenite						
568.2	570.0	SHALY GREYWACKE (SHLY.GR) Shaly greywacke, medium to fine grained.						
570.0	573.0	ARENITE (AR) Typical arenite with at the lower contact with shale a small quartz veinlet in a fracture.						
573.0	577.1	GREYWACKE (GR) Greywacke and shaly greywacke, light grey and spotted with an apparent bedding of 68 degrees to core.						
577.1	579.6	ARENITE (AR) Typical well foliated arenite.						
579.6	584.3	GREYWACKE (GR) Massive to shaly greywacke.						
584.3	592.0	QUARTZ VEIN BLACK SHALE (QV,BL.SH) Quartz vein with 1/2 ft greywacke at the beginning and overall with 20 % black shale fragments and with 1-2% aspy. The larger shale fragments are spotted with elongate chlorite filled spots.	13421	584.30	590.00	5.70	4086	0.110
592.0	614.8	ARENITE (AR) Typical arenite with a shaly greywacke bed from 592.0 to 592.4. A grey shale bed from 598.0 to 598.7 with a small brecciated zone at 598.5. Starting 604.5 grading to greywacke and shaly greywacke from 607.3 to 608.4. Again well foliated arenite to 614.8.						
614.8	617.8	SHALE (SH) Spotted silty shale with elongate chlorite filled spots.						
617.8	630.9	ARENITE (AR) Typical well foliated arenite. Foliation varying from 65 degrees to sub-parallel to core with a shaly greywacke from 622.0 to 623.0 and an apparent bedding at the contact with the greywacke of 65 degrees to core.						
630.9	638.5	BLACK SHALE, QUARTZ VEIN (BLT,BL.SH,QV) Black graphitic shale with 2-3% aspy to 634.8. From 634.8 to 638.5 quartz vein with Feldspar and at the end 1/2 ft graphite shale with large	13422 13423	630.90 634.80	634.80 638.50	3.90 3.70	182 39	0.006 0.001

HOLE No: br69

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br69

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH	Au ppb	Au oz/t
		aspy phenoblasts.						
638.5	644.0	ARENITE (AR) Irregularly foliated arenite.						
644.0	646.3	QUARTZ VEIN, BLACK SHALE (QV,BL.SH) Quartz vein with black graphitic shale fragments.	13424	644.00	646.30	2.30	191	0.006
646.3	648.5	BLACK SHALE (BL.SH) Black graphitic shale with 1% aspy.	13425	646.30	648.50	2.20	14	0.000
648.5	652.0	GREYWACKE (GR) Greywacke and shaly greywacke.						
652.0	672.0	ARENITE (AR) Typical arenite with irregular foliation. last 3" rather shly with an apparent bedding varying from 70 degrees to sub-parallel to core.						
672.0	674.2	QUARTZ VEIN (QV,BL.SH) Quartz vein with graphitic shale fragments.	13426	672.00	674.20	2.20	19	0.000
674.2	683.5	GREYWACKE (GR) Greywacke and shaly greywacke						
683.5	684.0	QUARTZ VEIN (QV) Massive white quartz vein.						
684.0	692.0	ARENITE (AR) Irregularly foliated arenite.						
692.0	697.8	SILTY SHALE (SH) Spotted silty shale with elongate spots illed with biotite-chlorite. Contains minor qv						
697.8	779.8	ALTERNATING ARENITE - SILTY SHALE (ALTERN AR SH) Alternating arenite and silty shale beds, distributed as follows: From 697.8 to 732.0 arenite ,foliation 70-85 degrees From 732.0 to 737.2 silty shale, spotted From 737.2 to 740.5 arenite From 740.5 to 743.5 silty shale grading to greywacke From 743.5 to 745.5 greywacke From 745.5 to 754.3 typical arenite From 754.3 to 757.8 silty shale From 757.8 to 765.5 grey spotted shale, silty shale with an apparent bedding of 58 degrees to core. From 765.5 to 777.2 typical arenite From 777.2 to 779.8 grading to greywacke and shale						
779.8	797.0	BELT, BLACK SHALE (BELT, BL.SH) Black graphitic shale, spotted with white carbonate filled elongate spots and 1-3% aspy and a few aspy phenoblasts, grading to grey shale by 787.0.	13427	779.80	784.00	4.20	72	0.002
			13428	784.00	787.00	3.00	763	0.022
			13429	787.00	792.00	5.00	212	0.007

HOLE No: br69

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br69

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
		Apparent bedding 38 degrees to core. Grey spotted shale from 787.0 to 792.0 and black graphitic shale from 792.0 to 797.0	13430	792.00	797.00	5.00	16	0.000
797.0	828.5	ARENITE (AR) Typical arenite grading to massive greywacke						
828.5	830.7	GREYWACKE (GR) Massive greywacke						
830.7	833.7	SHALE (BL.SH) Black graphitic shale, spotted with biotite-chlorite filled spots and with 1-2% aspy.	13431	830.70	833.70	3.00	1269	0.038
833.7	836.0	GREYWACKE (GR) Massive greywacke- arenite.						
836.0	838.5	SHALE (BL.SH) Black graphitic shale with biotite-chlorite filled spots and with 2% aspy.	13432	836.00	838.50	2.50	106	0.003
838.5	846.8	ARENITE (AR) 1/2ft gey shale grading to typical arenite with some aspy phenoblasts.						
846.8	849.0	SHALE (SH) Grey and black shales with minor qv	13433	846.80	849.00	2.20	16	0.000
849.0	854.8	GREYWACKE-ARENITE (GR-AR) Greywacke- arenite grading to grey silty shale						
854.8	858.3	QUARTZ VEIN (QV,BL.SH) Quartz vein with a 1 ft graphitic shale bed.	13434	854.80	858.30	3.50	35	0.001
858.3	909.0	ARENITE (AR) Typical arenite with quartz veins at the following locations: 879.0 to 880.3; 891.8 to 893.2; 897.2 to 897.7; 905.5 to 906.5 at the end the arenite grades into greywacke						
909.0	912.3	GREYWACKE (GR) Greywacke and shaly greywacke						
912.3	914.3	QUARTZ VEIN, BLACK SHALE (QV,BL.SH) Quartz vein with 50 % black shale	13435	912.30	914.30	2.00	923	0.026
914.3	917.0	GREYWACKE (GR) Medium grained greywacke						
917.0	919.2	BLACK SHALE (BL.SH) Spotted black shale with carbonate filled spots.						
919.2	938.6	ARENITE (AR) Irregularly foliated arenite.						

HOLE No: br69

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br69

Page 6

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
938.6	939.7	SHALE (SH) silty shale						
939.7	946.5	ARENITE (AR) Irregularly foliated arenite						
946.5	967.3	ARENITE BLACK SHALE INTERCALATIONS (AR,BL.SH) Intercalated black shales in typical arenite as follows: 946.5 to 948.5 black shale with 1.5ft qv with Feldspar 950.7 to 953.0 spotted black shale, apparent bedding 68 degr. 966.8 to 967.3 grey shale	13436 13437	946.50 950.70	948.50 953.00	2.00 2.30	97 462	0.003 0.013
967.3	969.3	QUARTZ VEIN (QV) massive quartz vein	13438	966.80	969.30	2.50	1417	0.040
969.3	978.1	ARENITE (AR) Typical arenite with greywacke from 977.5 to end						
978.1	988.6	QUARTZ VEIN BLACK SHALE (QV,BL.SH) 90% quartz vein material with black shale fragments.	13439 13440	978.00 983.00	983.00 988.60	5.00 5.60	32 89	0.001 0.002
988.6	1005.0	ARENITE (AR) Typical arenite with a narrow grey shale bed from 997.1 to 997.2						
1005.0	1007.0	BLACK SHALE (BL.SH) Black shale with trace aspy. Apparent bedding 65 degrees to core.	13441	1005.00	1007.00	2.00	2572	0.070

END OF HOLE 1007.0

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
300.00	-90.00	200.00
600.00	-90.00	306.00
900.00	-90.00	425.00
1007.00	-90.00	330.00

HOLE No: br69

BR-69

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORD

HOLE No.: br70

Collar Eastings: 783.19

Collar Northings: 0.00

Collar Elevation: 0.00

Collar Inclination: -90.00

Grid Bearing: 270.00

Final Depth: 827.00 feet

Logged by: KAN

Date: September 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH	Au ppb	Au oz/t
0	22.0	OVERBURDEN (OB)						
22.0	81.0	ARENITE (AR) Arenite with an irregular foliation and some silicification. 1" qv with trace po and very small VG at 45.5. Occasional large aspy phenoblasts.						
81.0	86.8	GREYWACKE (GR) Silty greywacke with some shale bedlets.						
86.8	122.0	ARENITE (AR) Arenite with irregular foliation at times rather massive.						
122.0	127.1	GREYWACKE-ARENITE (GR-AR) Sandy greywacke with an apparent bedding at the end of the section of 62 degrees to core.						
127.1	128.0	SHALE (SH) Grey shale grading to greywacke.						
128.0	182.0	GREYWACKE (GR) massive to shaly greywacke grading to arenite by 182.0						
182.0	343.5	ARENITE (AR) Arenite with irregular foliation and with some intercalated greywacke beds. Trace Po at 189.5 with shaly beds at 225.0 to 225.5 apparent bedding 70 degrees to core. From 308.0 to 310.5 silty shale with 2" qv with chlorite. The sections contains occasional aspy phenoblasts.						
343.5	347.0	SHALY GREYWACKE (SHLY GR) Shaly to silty greywacke with a 9" qv	13307	344.50	347.00	2.50	65	0.002
347.0	375.8	ARENITE (AR) Arenite with an iregular foliation (sub-vertical).						
375.8	384.8	SHALE (SH) Grey shale with 2 3" quartz veins with chlorite.						
384.8	391.5	ARENITE (AR) Irregularly foliated arenite with a narrow shale bed.						
391.5	397.2	GREYWACKE (GR) Greywacke slightly bedded along more shaly horizons.						
397.2	401.0	SHALE (SH) Silty shale with minor qv						
401.0	417.0	ARENITE (AR) Massive to irregularly foliated arenite.						
417.0	432.0	SHALY GREYWACKE (SHLY GR) Shaly greywacke with occasional grey						

HOLE No: br70

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br70

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		shale bedlets.						
432.0	465.0	ARENITE (AR) Irregularly foliated arenite.						
465.0	477.5	SHALY GREYWACKE (SHLY GR) Shaly greywacke with a silty shale bed with an apparent bedding 70 degrees to core.						
477.5	494.0	ARENITE (AR) Irregularly foliated arenite with occasional shaly bedlets.						
494.0	497.0	SHALE (SH) Grey spotted shale with a 1.5 ft quartz vein.	13308	494.00	497.00	3.00	26	0.000
497.0	827.0	ARENITE (AR) Irregularly foliated arenite with occasional silty bedlets and narrow quartzveining along fracturing at the following locations: 507.0 to 509.0, 517.0 to 518.0. Some silicification from 517.0 to 518.0. A 1" qv at 552 and a mud-seam at 562.0. At 579.0 2" qv with po. The foliation is is 78 degrees to core. More intense silicification of the arenite at: 621.0 to 625.0, 655.0 to 656.5. Heavier silicification from 689.0 to 720.0 Quartz veinlets at 627.0; 653.5; 658.3 A shale bed from 762.0 to 762.2 with an apparent bedding of 68 degrees to core. From 780.0 to 782.0 quartz vein with a spotted grey shale fragment containing 1% aspy Quartz vein from 814.2 to 815.5  END OF HOLE 827.0	13403	780.00	782.00	2.00	43	0.001

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
300.00	-88.00	282.00
600.00	-88.00	329.00
827.00	-89.00	201.00



BR 70

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br71

Collar Eastings: 754.59

Collar Northings: -19.69

Collar Elevation: 0.00

Collar Inclination: -90.00

Grid Bearing: 239.00

Final Depth: 497.00 feet

Logged by: KAN

Date: October 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	18.0	OVERBURDEN (OB)						
18.0	59.0	ARENITE (AR) Typical well foliated arenite. Foliation sub-parallel to core.						
59.0	62.0	GREYWACKE (GR) Fine grained greywacke grading to silty shale toward the end of the section.						
62.0	65.0	ARENITE (AR) Typical well foliated arenite.						
65.0	70.0	SHALE (SH) Grey silty shale with a 1" qv at 66.1.						
70.0	88.0	GREYWACKE (GR) Medium grained greywacke with a silty shale bed from B4.0 to B4.5.						
88.0	96.0	ARENITE (AR) Typical well foliated arenite.						
96.0	100.0	GREYWACKE (GR) Medium to coarse grained greywacke with narrow silty shale beds and narrow qv at 97.2 and 100.0						
100.0	115.0	ARENITE (AR) Typical arenite with sections which are more massive and less well foliated appearing more like a greywacke - arenite.						
115.0	117.0	GREYWACKE (GR) Medium grained greywacke, with a vague foliation.						
117.0	120.8	SHALE (SH) Grey silty shale with a narrow quartzvein.						
120.8	136.0	ARENITE (AR) Typical arenite but with an irregular foliation.						
136.0	147.0	GREYWACKE (GR) Fine grained massive greywacke. Core size changed from NQ to BQ at 145.0						
147.0	151.5	SHALE (SH) Grey silty shale, more shaly from 149.5 to 151.5. two 2" quartz veins from 147.0 to 149.5.	13463	149.50	151.50	2.00	157	0.005
151.5	170.5	GREYWACKE (GR) Medium grained greywacke with several narrow shaly greywacke sections.						
170.5	176.8	ARENITE (AR) Irregularly foliated arenite, medium to fine grained.						

HOLE No: br71

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br71

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
176.8	194.5	GREYWACKE (GR) Greywacke with shaly greywacke sections and an occasional narrow quartz vein., quartz vein with chlorite and carbonate from 180.0 to 180.1. There is an irregularly foliated arenite from 191.7 to 193.7.						
194.5	216.0	ARENITE (AR) Typical arenite with 2" quartz veins at 203.5 and 204.						
216.0	226.0	GREYWACKE (GR) Greywacke grading to shale by 217.0 and back to greywacke by 218.0						
226.0	228.7	SHALE (SH) Grey silty shale with small quartz vein with chlorite at the beginning.						
228.7	234.0	ARENITE (AR) Typical arenite with an irregular sub-vertical foliation.						
234.0	237.5	SHALE, QUARTZ VEIN (SH, QRTZ) Grey shale with a quartz vein filling 1/2 the core parallel to core	13464	234.00	237.50	3.50	18	0.000
237.5	243.0	SHALY GREYWACKE (SHLY GR) Silty shaly greywacke						
243.0	252.0	GREYWACKE (GR) medium grained greywacke						
252.0	269.0	SHALY GREYWACKE (SHLY GR) Silty shaly greywacke, with a 3" quartz vein at 259.0. Bedding-foliation (?) in the shalier beds at 70 degrees to core.	13465 13466	256.00 267.00	258.00 269.00	2.00 2.00	33 16	0.000 0.000
269.0	275.0	ARENITE (AR) Typical foliated arenite						
275.0	276.5	SHALE (SH) Grey shale along an irregular contact with the arenite						
276.5	315.5	ARENITE (AR) Typical arenite with an irregular foliation. with a bed of greywacke with aspy crystals from 307.5 to 308.5 and with dark grey shale from 308.5 to 311.0	13467	308.50	311.00	2.50	16	0.000
315.5	319.5	SHALE (SH) Grey shale with minor quartz veinlets grading to greywacke from 318.5 to 319.5.	13468	315.50	318.00	2.50	222	0.007
319.5	329.0	ARENITE (AR) Typical arenite, irregular foliation.						
329.0	333.0	GREYWACKE (GR) Medium grained greywacke						

HOLE No: br71

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORD  
HOLE No.: br71

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS	
						WIDTH	Au ppb Au oz/t
333.0	339.2	ARENITE (AR) Typical foliated arenite					
339.2	343.0	SHALE (SH) Spotted shale with biotiti-chlorite filled spots, with quartz vein with trace chalcopryrite and sphalerite from 340.0 to 342.0. Bedding 80 degrees to core.	13469	339.00	343.00	4.00	11 0.000
343.0	395.5	ARENITE (AR) Typical arenite with irregular foliation.					
395.5	404.0	SHALY GREYWACKE (SHLY GR) Silty shaly greywacke with a narrow qv at 403.5.					
404.0	481.6	ARENITE (AR) Typical arenite with several shaly horizons, distributed as follows: 426.5 to 427.2, 430.5 to 431.0, 464.0 to 465.5 with 20 % quartz. Bedding 65 degrees to core.	13470	464.00	465.50	1.50	12 0.000
481.0	495.5	GREYWACKE (GR) Greywacke with minor shaly beds.					
495.5	497.0	ARENITE (AR) Typical arenite					
	497.0	END OF HOLE					

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
300.00	-88.00	239.00
497.00	-88.00	239.00

BR-71



# ASSAYERS ONTARIO LABORATORIES

A DIVISION OF ASSAYERS CORPORATION LTD.

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

FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-153/01/8247 Date October 19, 1988  
 Received 68 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Dr. Karl A. Naert

Project: N.S.

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13442	70	<sup>RR 74</sup> 13462	926 .025
13443	1425 .041	13463	157
13444	165	13464	18
<sup>BR 73</sup> 13445	154	<sup>BR 71</sup> 13465	33
13446	52	13466	16
13447	58	13467	16
13448	938 .024	13468	222
13449	51	13469	11
13450	56	13470	12
13451	59	13471	49
13452	55	<sup>BR 72</sup> 13472	18
13453	201	13473	16
13454	8240 .23	13474	7950 .23
13455	83	<sup>UG BR 1254</sup> 13475	10000 .29
13456	19	13476	138
13457	34	13477	205
13458	48	13478	44
<sup>BR 74</sup> 13459	71	13479	238
13460	32	<sup>BR 75</sup> 13480	951 .026
13461	8292 .23	13481	168

ASSAYERS ONTARIO LABORATORIES

Per J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br72

Collar Eastings: 549.54

Collar Northings: -101.71

Collar Elevation: 46.46

Collar Inclination: -90.00

Grid Bearing: 150.00

Final Depth: 477.00 feet

Logged by: KAN

Date: October 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS		
				FROM	TO	WIDTH Au ppb Au oz/t
0	22.0	OVERBURDEN (OB)				
22.0	37.0	SHALY GREYWACKE (SHLY GR) Medium to fine grained grey shaly greywacke, bedding 63 degrees to core.				
37.0	44.0	GREYWACKE (GR) Medium grained greywacke				
44.0	81.0	ARENITE (AR) Typical irregularly foliated arenite with arenite-greywacke beds and occasional large aspy fenoblasts from 51.0 to 55.0.				
81.0	84.5	SHALE (SH) Silty shale with 3" qv at 82.0				
84.5	96.0	GREYWACKE (GR) Greywacke with shaly greywacke intercalations.				
96.0	102.0	SHALE (SH) Siltshale with several small qv				
102.0	109.0	ARENITE (AR) Typical arenite with irregular foliation.				
109.0	111.0	SHALE (SH) Silty shale				
111.0	126.0	ARENITE (AR) Typical lightly bleached arenite.				
126.0	128.5	GREYWACKE (GR) Medium greained greywacke with a minor qv with trace py,po and a shale bed at the end of the section.				
128.5	154.0	ARENITE (AR) Typical foliated arenite Core size change from NQ to BQ at 151				
154.0	162.0	GREYWACKE (GR) typical medium grained				
162.0	164.0	SHALE (SH) Grey silty shale.				
164.0	182.0	ARENITE (AR) Typical foliated arenite				
182.0	183.7	SHALE (SH) grey shale with shaly greywacke sections.				
183.7	202.0	ARENITE (AR) Typical foliated arenite with a shaly bed from 198.8 to 199.0				
202.0	204.0	SHALE (SH) Silty shale with apparent bedding 65 degrees				

HOLE No: br72

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br72

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS	
						WIDTH	Au ppb Au oz/t
		to core.					
204.0	209.7	ARENITE (AR) Typical arenite					
209.7	212.1	SHALE (SH) Silty shale with a narrow qv					
212.1	237.0	ARENITE (AR) Typical arenite					
237.0	242.0	SHALE (SH) Silty shale with minor qv					
242.0	267.0	ARENITE (AR) Irregularly foliated arenite-greywacke					
267.0	269.0	SHALE (SH) Silty shale					
269.0	274.2	GREYWACKE (GR) Medium grained greywacke with silty shale beds					
274.2	280.0	GREYWACKE QUARTZ VEIN (GR,QV) Quartz vein filling 1/2 the core sub-parallel to the core in greywacke.					
280.0	306.2	ARENITE (AR) Typical foliated arenite with a quartz vein with trace chalcopryrite at 301.7					
306.2	310.0	SHALY GREYWACKE (SHLY GR) Silty shaly greywacke with 15 % quartz vein material. Bedding 68 degrees to core.	13471	306.20	310.00	3.80	49 0.000
310.0	316.7	GREYWACKE (GR) Greywacke with silty shale beds.					
316.7	352.0	ARENITE (AR) Typical arenite with several minor silty shale beds.					
352.0	362.0	SHALE (SH) Silty shale with minor qv	13472	357.00	361.00	4.00	18 0.000
362.0	382.0	ARENITE (AR) Typical foliated arenite					
382.0	395.3	SHALE (SH) Silty shale with apparent bedding 62 degrees to core.					
395.3	420.7	ARENITE (AR) Typical arenite with some minor silty shale beds and over the last two feet grading to greywacke.					
420.7	422.2	SHALE (SH) Silty shale with 30% quartz vein material	13473	420.70	422.20	1.50	16 0.000
422.2	469.0	ARENITE (AR) Typical foliated arenite, grading over greywacke to shale between 468.0 and 469.0					

HOLE No: br72



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORD  
HOLE No.: br72

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS		
				FROM	TO	WIDTH Au ppb Au oz/t
469.0	475.0	GREYWACKE (GR) Greywacke with silty shale beds.				
475.0	477.0	ARENITE (AR) Typical foliated arenite				
		477.0 END OF HOLE				

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
300.00	-89.00	152.00
477.00	-89.00	152.00

BR-72

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br73

Collar Eastings: 754.59

Collar Northings: 144.36

Collar Elevation: 0.00

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 317.00 feet

Logged by: KAN

Date: October 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
0	26.0	OVERBURDEN (OB)						
26.0	79.5	ARENITE (AR) Typical foliated arenite, with foliation at B2 degrees to core, with occasional large aspy phenoblasts and with disseminated aspy from 41.0 to 47.0 with a 2" qv at 44.5						
79.5	80.6	SHALE (SH) Dark endurated shale with an apparent bedding of 58 degrees to core, with trace py and aspy	13442	79.50	80.60	1.10	70	0.000
80.6	82.1	ARENITE (AR) Typical arenite						
82.1	83.6	SHALE (SH) Dark shale with 3% aspy and large aspy phenoblasts with an apparent bedding of 70 degrees to core.	13443	82.10	83.60	1.50	1425	0.041
83.6	87.0	GREYWACKE (GR) Massive coarse greywacke with a 3" qv at 86.2						
87.0	90.0	SHALE (SH) Dark shale with 40% quartz vein material, with 1% aspy. Apparent bedding at 87.0: 60 degrees to core and at 90.0 75 degrees to core.	13444	87.00	90.00	3.00	165	0.005
90.0	103.0	ARENITE (AR) Typical foliated arenite with foliation sub-parallel to core.						
103.0	105.0	SHALE (SH) Dark shale with 1% aspy	13445	103.00	105.00	2.00	154	0.005
105.0	120.0	ARENITE (AR) Typical foliated arenite, foliation 66 degrees to core Change core size from NQ to BQ at 106.0						
120.0	121.5	GREYWACKE (GR) Medium grained greywacke						
121.5	125.5	QUARTZ VEIN SHALE (QV SH) Quartz vein with 25% dark shale 2% aspy in the shale sections.	13446	120.00	125.50	5.50	52	0.000
125.5	139.0	ARENITE (AR) Typical arenite grading to greywacke over the last foot.						
139.0	142.0	SHALE (SH) Silty shale with an arenite bed, and a 1ft black shale bed at the end, Bedding 65 degrees to core, trace po	13447	139.00	142.00	3.00	58	0.000
142.0	155.0	ARENITE (AR) Typical foliated arenite with a ptymatically						

HOLE No: br73

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br73

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
		folded qv with race po, chpy						
155.0	157.1	SHALE (SH) Silty shale with a 2" qv and with large aspy phenoblasts. Apparent bedding 58 degrees to core.	13448	155.00	157.10	2.10	938	0.024
157.1	177.0	ARENITE (AR) Typical arenite with a few silty beds and a ptygmaticlily folded qv at 163.5						
177.0	185.0	SHALE (SH) Silty grey shale with trace aspy	13449	177.00	180.00	3.00	51	0.000
			13450	180.00	185.00	5.00	56	0.000
185.0	188.4	GREYWACKE (GR) Medium grained greywacke						
188.4	190.7	SHALE (SH) Dark spotted shale with biotite-chlorite filled spots with 1% aspy and trace po.	13451	188.40	190.70	2.30	59	0.000
190.7	237.5	ARENITE (AR) Typical foliated arenite with silicified sections and with shaly bedlets from 201.0 to 201.5 and from 230.5 to 231.0						
237.5	238.2	SHALE (SH) Dark shale with a 1" qv and trace py	13452	237.50	238.20	0.70	55	0.000
238.2	241.5	GREYWACKE (GR) Lightly foliated greywacke						
241.5	245.0	SHALE QUARTZ VEIN (SH,QV) Dark shale with 40 quzrt vein material, with 2-3% aspy in the shale sections and with trace py	13453	241.50	245.00	3.50	201	0.006
245.0	278.6	ARENITE (AR) Typical arenite with a foliation sub-parallel to core and occasional aspy phenoblasts. qv from 265.8 to 266.0 and from 270.0 to 271.0						
278.6	282.1	SHALE (SH) Dark endurated shale with 1% aspy and a 1/2ft greywacke bed	13454	278.60	282.10	3.50	8240	0.230
282.1	299.0	ARENITE (AR) Typical arenite with foliation varying between 70 degrees and sub-parallel to core.						
299.0	305.8	SHALE (SH) Dark shale, occasionally silty with trace sapy and an apparent bedding of 30 to 45 degrees to core.	13455	299.00	302.00	3.00	83	0.002
			13456	302.00	305.80	3.80	19	0.000
305.8	317.0	ARENITE (AR) Typical arenite, with a shaly bed with trace po from 315.9 to 316.5.	13457	315.90	316.50	0.60	34	0.000

HOLE No: br73

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br73

Page 3

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
		317.0 END OF HOLE						
		DOWN-HOLE SURVEY DATA						
		DEPTH	INCLINATION	BEARING				
		317.00	-89.00	360.00				

HOLE No: br73

BR-73

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br74

Collar Eastings: 549.54

Collar Northings: 59.06

Collar Elevation: 0.00

Collar Inclination: -88.00

Grid Bearing: 360.00

Final Depth: 237.00 feet

Logged by: KAN

Date: October 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	20.0	OVERBURDEN (OB)						
20.0	30.0	ARENITE (AR) broken typical arenite, irregularly foliated.						
30.0	31.0	SHALY GREYWACKE (SHLY GR) Medium to fine grained greywacke with shaly sections.						
31.0	32.7	GREYWACKE (GR) Medium grained greywacke, lightly foliated						
32.7	36.2	SHALY GREYWACKE (SHLY GR) Grey shaly greywacke grading to endurated dark shale with an apparent bedding 75 degrees to core.	13458	32.70	34.70	2.00	48	0.000
			13459	34.70	35.00	0.30	71	0.000
36.2	97.0	ARENITE (AR) Typical arenite with foliation 75 degrees to sub-parallel to core, with a 2" qv at 51.0 followed by .5ft of greywacke and another qv from 77.5 to 77.7						
97.0	101.0	QUARTZ VEIN DARK SHALE (QV, SH) Quartz vein with chlorite and carbonate. The shale is located at the end of the section. The shale contains 1-2% aspy and has an apparent bedding of 75 degrees to core.	13460	97.50	99.50	2.00	32	0.000
			13461	99.50	101.00	1.50	8292	0.230
101.0	237.0	ARENITE (AR) Arenite with minor shaly sections and several small quartz veins located as follows: shale greywacke from 153.0 to 156.6 quartz veins from 155.5 to 156.6; 159.2 to 159.5; 164.0 to 164.5. silty shale from 189.0 to 192.0 greywacke from 203.0 grading to silty shale by 204.5 grey shale from 204.6 to 206.7 silty shale from 217.0 to 218.0 with aspy phenoblasts foliation in the arenite 70 degrees to core.	13462	155.50	157.00	1.50	926	0.025

237 END OF HOLE

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
237.00	-88.00	360.00

HOLE No: br74

BR-74





# ASSAYERS ONTARIO LABORATORIES

A DIVISION OF ASSAYERS CORPORATION LTD.

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

FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-154/01/8304 Date: November 4, 1988  
Received 90 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Inc. Att'n: Dr. Karl A. Naert

GR 75

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13563	45	13584	28
13564	90	13585	1552 .046
13565	303	13586	439 .014
13566	316	13587	159
13567	153	13588	3386 .10
13568	215	13589	3332 .092
13569	687 .020	13590	3015 .075
13570	240	13591	231
13571	211	13592	169
13572	1052 .029	13593	150
13573	2413 .072	13594	203
13574	713 .021	13595	56
13575	* .11	13596	216
13576	706 .020	13597	530 .014
13577	171	13598	93
13578	175	13599	68
13579	52	13600	566 .017
13580	97	13601	167
13581	352	13602	4942 .13
13582	3887 .10	13603	1255 .038
13583	92	13604	3654 .11

ASSAYERS ONTARIO LABORATORIES

Per J. van Engelen Mgr.

# ASSAYERS ONTARIO LABORATORIES

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

FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-153/02/8247 Date October 19, 1988  
Received 68 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Inc. Att'n: Dr. Karl A. Naert

Project: N.S.

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13482	16	13502	73
13483	22	13503	409 .011
13484	18	13504	193
13485	32	13505	43
13486	68	13506	23
13487	62	13507	692 .020
13488	98	13508	155
13489	230	13509	75
BR75 13490	95		
13491	485 .014		
13492	1231 .034		
13493	164		
13494	2965 .087		
13495	194		
13496	42		
13497	281		
13498	241		
13499	194		
13500	243		
13501	63		

ASSAYERS ONTARIO LABORATORIES

Per   
J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br75

Collar Eastings: 741.47

Collar Northings: 238.85

Collar Elevation: 38.91

Collar Inclination: -55.00

Grid Bearing: 360.00

Final Depth: 997.00 feet

Logged by: KAN

Date: October 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
0	31.0	OVERBURDEN (OB)						
31.0	33.0	QUARTZ VEIN (QV) Massive white quartz vein						
33.0	34.0	SHALE (SH) Silty shale with black shale at the end of the section with some quartz	13479	31.00	34.00	3.00	238	0.007
34.0	38.5	GREYWACKE (GR) Medium grained greywacke with some fine shale beds						
38.5	40.0	SHALE (SH) Grey spotted shale with carbonate filled spots apparent bedding (?) 75 degrees to core.	13480	38.50	40.00	1.50	951	0.026
40.0	50.0	DARK SHALE (DRK SH) Dark shale with 50% quartz vein material Down to 50.0 poor recovery 30-40%	13481 13482 13483	40.00 43.00 46.00	43.00 46.00 50.00	3.00 3.00 4.00	168 16 22	0.005 0.000 0.000
50.0	55.5	CAVITY (DRIFT ?) Old drift						
55.5	59.0	GREYWACKE SHALE (GR,SHL) Very broken greywacke with shale beds	13484	55.00	58.50	3.50	18	0.000
59.0	69.0	ARENITE (AR) Typical foliated arenite. Foliation 45 degrees.	13485	62.50	66.00	3.50	32	0.000
69.0	78.0	BLACK SHALE QUARTZ VEIN (BL SH, QV) Black shale with massive qv from 71.0 to 74.5	13486 13487	69.00 72.00	72.00 76.00	3.00 4.00	68 62	0.000 0.000
78.0	80.0	SHALY GREYWACKE (SHLY GR) Shaly greywacke with 2% aspy	13488	76.00	79.00	3.00	98	0.003
80.0	81.0	BLACK GRAPHITIC SHALE QUARTZ (GRAPH SH, QRTZ) Black to graphitic shale with 50 % quartz vein material, 3% aspy and large aspy phenoblasts						
81.0	86.0	GREYWACKE-ARENITE (GR-AR) Greywacke arenite with 2% aspy with a bed of dark shale from 85.0 to 85.2. From 82.5 to 86.0 the ar-gr contains 3% aspy	13489 13490	79.00 82.50	82.50 86.00	3.50 3.50	230 95	0.007 0.003
86.0	96.5	QUARTZ VEIN GREYWACKE ARENITE (QV,GR-AR) massive quartz vein several greywacke- arenite beds distributed as follows: from 90.0 to 93.0 with 3-5% aspy from 93.0 to 94.5 with 3% aspy and 60 % qv	13491 13492 13493	86.00 90.00 93.00	90.00 93.00 96.00	4.00 3.00 3.00	485 1231 164	0.014 0.034 0.005
96.5	98.2	GREYWACKE ARENITE (GR-AR) Greywacke arenite with 3-5% aspy	13494	96.00	98.20	2.20	1965	0.087

HOLE No: br75

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br75

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
		and with narrow black shale lenses.						
98.2	103.0	QUARTZ VEIN (QV) Massive quartz vein with minor graphitic and chlorite inclusions.	13495	98.20	101.00	2.80	194	0.006
			13496	101.00	103.00	2.00	42	0.000
103.0	105.7	GRAPHITIC SHALE (GRAPH SH) Black to graphitic shale with 5% aspy	13497	103.00	105.70	2.70	291	0.008
105.7	107.5	QUARTZ VEIN (QV) Massive white quartz vein with small graphitic and chlorite inclusions.	13498	105.70	107.50	1.80	241	0.008
107.5	111.3	AERNITE (AR) Arenite with aspy phenoblasts and 1% disseminated aspy, grading to shaly greywacke.	13499	107.50	110.50	3.00	194	0.006
111.3	113.2	GREYWACKE SHALE (GR, SH) Shaly greywacke grading to dark shale with 3-5% aspy	13500	110.50	112.20	1.70	243	0.008
113.2	114.7	ARENITE (AR) typical foliated arenite with 1-2% disseminated aspy and with aspy phenoblasts.	13501	112.20	113.50	1.30	63	0.000
114.7	119.0	BLACK SHALE , QUARTZ (BL SH, QTRZ) Black shale over .7ft followed by 1ft quartz vein and again black shale.	13502	113.50	116.00	2.50	73	0.002
			13563	116.00	119.00	3.00	45	0.000
119.0	122.0	GREYWACKE ARENITE (GR-AR) Lightly foliated greywacke -arenite with foliation 35 degrees to core and a 2" quartz vein at 121.0						
122.0	126.0	SHALE (SH) Black to graphitic shale with 1-2% aspy	13564	122.00	124.00	2.00	90	0.002
			13565	124.00	126.00	2.00	303	0.009
126.0	128.0	QUARTZ VEIN (QV) Massive quartz vein with a few black shale fragments	13566	126.00	128.00	2.00	316	0.009
128.0	135.0	ARENITE (AR) Massive arenite with a 2" qv at 131.0 within broken core  Change from NQ to BQ at 131.0						
135.0	136.0	SHALE (SH) Black shale with 50 % qrtz material	13567	135.00	136.00	1.00	153	0.005
136.0	145.0	ARENITE (AR) Typical, poorly foliated arenite						
145.0	151.0	SHALE (SH) Black spotted shale with biotite-chlorite and carbonate filled spots, with 1% aspy and 50% qv material. arenite from 147.0 to 147.2,	13568	145.00	151.00	6.00	215	0.007

HOLE No: br75

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORG  
HOLE No.: br75

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
		graywacke from 149.0 to 149.5 apparent bedding 65 degrees to core. Some po in a narrow qv						
151.0	164.5	ARENITE (AR) The above shale grade over 5cm into poorly foliated arenite, with foliation 45-50 degrees to core.						
164.5	168.5	SHALE (SH) above arenite grades over 1/2 ft to dark shale with 20% qv material and 1-2% aspy. Apparent bedding 40 degrees to core and foliation 35 degrees to core	13569	165.00	168.50	3.50	687	0.020
168.5	177.1	GREYWACKE (GR) Fine grained massive greywacke						
177.1	188.5	ARENITE (AR) Typical foliated arenite, foliation 45-50 degrees						
188.5	192.0	GREYWACKE (GR) Medium grained massive greywacke						
192.0	195.5	ARENITE (AR) Typical foliated arenite with foliation 50 degrees						
195.5	201.2	GREYWACKE (GR) Greywacke with fine sandy shale beds and a 10cm dark shale with a narrow qv with py at the end apparent bedding 60-65 degrees to core.						
201.2	207.3	GREYWACKE (GR) Medium grained massive greywacke.						
207.3	235.0	ARENITE (AR) over a very sharp contact typical arenite with a foliation 32 degrees to core.						
235.0	240.5	SHALE (SH) Grey silty shale with a black shale bed from 237.5 to 239.8. Apparent bedding at the beginning of the section 40 degrees and at the end 55 degrees to core.	13570	235.00	237.50	2.50	240	0.008
			13571	237.50	240.50	3.00	211	0.007
240.5	252.4	SHALE-BELT (SH,BELT) Black endurated shale with 3% aspy and 40 % quartz vein material with black shale intercalations.	13572	240.50	245.00	4.50	1052	0.029
			13573	245.00	248.80	3.80	2413	0.072
			13574	248.80	252.40	3.60	713	0.021
252.4	261.2	GREYWACKE (GR) Medium grained greywacke with silty shale bedlets and qv fragments at 252.4-252.6 and 253.5-253.9						
261.2	270.8	SHALE-BELT (SH,BELT,VG) Black shale with 80% quartz vein material which contains chlorite and carbonate. VG at 262.2 and a medium grained greywacke bed from 267.6 to 267.8 lower contact very sharp with greywacke and an apparent bedding of 70 degrees to core.	13575	261.20	265.20	4.00	3300	0.110
			13576	265.20	270.80	5.60	706	0.020

HOLE No: br75

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br75

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
270.8	284.0	GREYWACKE (GR) Medium grained greywacke with silty shale beds and qv at 276.5 to 276.6						
284.0	400.6	ARENITE (AR) Typical arenite with foliation 42 degrees to core with quartz veins at: 304.8 to 306.0, 307.0 to 307.2, 395.0 to 395.1, broken arenite at 357.0, aspy phenoblasts at 361.1						
400.6	403.0	SHALE (SH) predominantly grey shale with a narrow black shale bed apparent bedding 48 degrees to core.	13577	400.60	403.00	2.40	171	0.005
403.0	410.0	QUARTZ VEIN (QV) Massive quartz vein with black shale inclusions from 404.5 to 404.7	13578 13579	403.00 405.00	405.00 410.00	2.00 5.00	175 52	0.005 0.001
410.0	415.0	GREYWACKE (GR) Typical medium grained massive greywacke.						
415.0	422.0	ARENITE (AR) Typical foliated arenite with foliation 45 to 55 degrees to core.						
422.0	429.8	SHALEY GREYWACKE (SHLY GR) grey shale and shaly greywacke with contact with the above arenite at 55 degrees to core. po in pygmatic qv at 429.8 lower contact 58 degrees to core.						
429.8	444.8	ARENITE (AR) Typical foliated arenite						
444.8	457.5	SHALY GREYWACKE (SHLY GR) silty shale greywacke with a narrow qv and a pygmatically folded qv with traces of , po,py, chpy						
457.5	507.5	ARENITE (AR) Typical foliated arenite, foliation 28 degrees						
507.5	527.2	SHALY GREYWACKE (SHLY GR) Silty shaly greywacke with crenulated bedding at 68 degrees to core with a qv from 520.1 to 520.2 and occasional narrow greywacke beds.						
527.5	541.0	GREYWACKE (GR) lightly bedded greywacke grading to massive fine grained greywacke.						
541.0	556.5	SHALY GREYWACKE (SHLY GR) silty shale greywacke with crenulated bedding, chlorite rich from 553.5 to 554.2 and an intrusive (?) vein from 554.3 to 556.5(sample for thin section and whole rock)	13580	544.00	544.50	0.50	97	0.003
556.5	562.2	ARENITE (AR) Typical arenite, silicified						

HOLE No: br75

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br75

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS	
						WIDTH	Au ppb Au oz/t
562.2	566.8	SHALY GREYWACKE (SHLY GR) silty shaly greywacke, crennulated bedding, apparent bedding 60 degrees to core.					
566.8	572.0	ARENITE (AR) typical arenite grading to greywacke					
572.0	577.5	SHALY GREYWACKE (SHLY GR) silty shaly greywacke with a 2 " qv at 573.0 with trace shpy					
577.5	596.0	GREYWACKE (GR) Typical greywacke with silty shle bed from 594.5 to 595.4					
596.0	607.5	ARENITE (AR) Typical arenite, foliated.					
607.5	621.5	GREYWACKE (GR) Greywacke with a silty shale beds from 613.0 to 621.5, at the end in a siliceous bed traces of chpy and po					
621.5	675.0	ARENITE (AR) Typical foliated arenite, foliation 48 degrees qv at 634.8 to 636, silty shale from 662.0 to 665.0					
675.0	676.8	SHALE (SH) silty shale					
676.8	688.0	ARENITE (AR) Typical arenite following a one of medium grained greywacke					
688.0	693.5	SHALY GREYWACKE (SHLY GR) crennulated silty shaly greywacke with apparent bedding 58 degrees to core.					
693.5	722.0	ARENITE (AR) Typical arenite after a 1ft greywacke, foliation 50 degrees to core.					
722.0	726.0	SHALY GREYWACKE (SHLY GR) Silty shaly greywacke with trace po in quartz vein at 721.0					
726.0	997.0	ARENITE (AR) Typical arenite with a few narrow silty shale beds qv from 802.3 to 802.9 with aspy crennulated shale bed from 810.0 to 812.1, bedding 62 degrees brecciated arenite 837.0 to 840.0 silicified form 874.0 to 886.5 923.0 bedding 55 degrees to core foliation 58 degrees to core at 996.5 beginning silty shale	13582	802.30	802.90	0.60	352 0.010
		997.0 END OF HOLE					

HOLE No: br75

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br75

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS	
						WIDTH	Au ppb

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
600.00	-52.00	354.00
997.00	-54.00	304.00



BR-75

# ASSAYERS ONTARIO LABORATORIES

A DIVISION OF ASSAYERS CORPORATION LTD.

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-153/02/8247 Date: October 19, 1988  
Received 68 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Inc. Att'n: Dr. Karl A. Naert

Project: N.S.

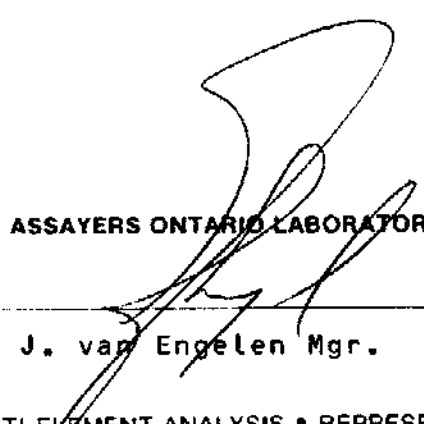
Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13482	16	13502	73
13483	22	13503	409 .011
13484	18	13504	193
13485	32	13505	43
13486	68	13506	23
13487	62	13507	692 .020
13488	98	13508	155
13489	230	13509	75
13490	95		
13491	485 .014		
13492	1231 .034		
13493	164		
13494	2965 .087		
13495	194		
13496	42		
13497	281		
13498	241		
13499	194		
13500	243		
13501	63		

BR75

BR76

ASSAYERS ONTARIO LABORATORIES

Per

  
J. van Engelen Mgr.



# ASSAYERS ONTARIO LABORATORIES

A DIVISION OF ASSAYERS CORPORATION LTD.

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

FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-154/01/8304

Date: November 4, 1988

Received 90 Samples of Drill Core

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

*BR 75*

*BR 76*

*BR 76*

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13563	45	13584	28
13564	90	13585	1552 .046
13565	303	13586	439 .014
13566	316	13587	159
13567	153	13588	3386 .10
13568	215	13589	3332 .092
13569	687 .020	13590	3015 .075
13570	240	13591	231
13571	211	13592	169
13572	1052 .029	13593	150
13573	2413 .072	13594	203
13574	713 .021	13595	56
13575	* .11	13596	216
13576	706 .020	13597	530 .014
13577	171	13598	93
13578	175	13599	68
13579	52	13600	566 .017
13580	97	13601	167
13581	352	13602	4942 .13
13582	3887 .10	13603	1255 .038
13583	92	13604	3654 .11

ASSAYERS ONTARIO LABORATORIES

Per \_\_\_\_\_

J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br76

Collar Eastings: 508.53

Collar Northings: 160.76

Collar Elevation: 46.33

Collar Inclination: -60.00

Grid Bearing: 360.00

Final Depth: 1007.00 feet

Logged by: KAN

Date: October 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
0	21.6	OVERBURDEN (OB)						
21.6	39.5	ARENITE (AR) Typical well foliated arenite, foliation 68 degrees to core, with qv from 25.6 to 25.8						
39.5	41.8	SHALY GREYWACKE (SHLY GR) Shaly greywacke with some graphitic bed and 15% quartzvein material, less than 1% aspy disseminated.	13503	39.50	41.80	2.30	409	0.001
41.8	44.5	ARENITE (AR) Typical well foliated arenite						
44.5	45.8	GREYWACKE (GR) greywacke and shaly greywacke with an apparent bedding (?) at 65 degrees to core.						
45.8	51.4	ARENITE (AR) Typical well foliated arenite						
51.4	54.0	SHALE (SH) Light grey shale and silty shale with an apparent bedding of 45 degrees to core.						
54.0	86.0	ARENITE (AR) Typical arenite with some small beds of shale from 54.0 to 57.5 arenite from 57.2 to 57.6 grey spotted shale from 57.6 to 57.7 arenite from 57.7 to 58.9 quartz vein from 58.9 to 59.4 grey shale apparent bedding 40 degrees to core.	13504	57.50	59.10	1.60	193	0.006
86.0	87.0	QUARTZ VEIN (QV) Quartz vein with fragments with chlorite carbonate						
87.0	91.9	ARENITE (AR) Typical foliated arenite with foliation 55 degrees to core.						
91.9	99.0	BLACK SHALE, QUARTZ VEIN (BL SH, QV) grey shale with black to graphitic shale with quartz vein from 94.5 to 96.7 which contains inclusions of graphitic shale, trace py. from 91.9 to 93.8 shaly greywacke with qrtz from 93.8 to 95.2 shale from 95.2 to 99.0 qrtz with dark to graphitic shale	13505 13506 13507	91.90 93.80 95.20	93.80 95.20 99.00	1.90 1.40 3.80	43 23 692	0.000 0.000 0.020
99.0	104.1	ARENITE (AR) Typical arenite with greywacke over the last ft						
104.1	109.0	QUARTZ VEIN (QV) Massive quartz vein with brecciated pieces at the end. The breccia pieces are arenite cemented with qrtz	13508	104.10	105.50	1.40	155	0.005

HOLE No: br76

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br76

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS	
						WIDTH	Au ppb Au oz/t
		and including some grey shale. The qv contains Feldspar and carbonate					
109.0	116.0	GREYWACKE (GR) Broken zone in greywacke, at the end a section with 1-2% py and less than 1% aspy. With a qv from 111.5 to 113.5.	13509	111.50	113.50	2.00	75 0.002
116.0	117.5	QUARTZ VEIN (QV) Massive white quartz vein with some carbonate					
117.5	118.0	SHALE (SH) Grey shale with some qv bedding 65 degrees to core.					
118.0	119.4	QUARTZ VEIN (QV) Massive white qv					
119.4	120.2	GREYWACKE (GR) Massive greywacke					
120.2	121.5	QUARTZ VEIN (QV) quartz vein with narrow grey shale bed with 1% aspy					
		Change from NQ to BQ at 121.0					
121.5	131.7	ARENITE (AR) Typical arenite, foliation 60 degrees to core with qv: 3" at 124.0; from 126.0 to 126.5; from 126.8 to 127.5 with minor dark shale and aspy phenoblasts,; From 134.2 to 134.5 with some black and gray shale inclusions.					
131.7	133.4	SHALE (SH) Dark shale, spotted with biotite filled spots and with minor qv material.	13582	131.70	133.40	1.70	3887 0.100
133.4	137.0	ARENITE (AR) Massive arenite					
137.0	137.8	SHALE (SH) Black shale with 30% qv and 2% aspy, apparent bedding 62 degrees to core.	13583	137.00	137.80	0.80	92 0.002
137.8	141.8	ARENITE (AR) Typical arenite with qv at 138.4-138.9; 139.5-139.7; 140.8-140.9					
141.8	149.5	BELT SHALE (SH, BELT) dark shale with quartz vein material. at the beginning .8ft shaly greywacke, qv from 142.2 to 144.0 with some carbonate.	13584 13585	141.80 144.00	144.00 149.50	2.20 5.50	28 0.000 1552 0.046
149.5	151.5	SHALY GREYWACKE (SHLY GR) Shaly silty greywacke.					
151.5	152.8	QUARTZ VEIN (QV) quartz vein with grey shale at the end					

HOLE No: br76

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br76

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS	
						WIDTH	Au ppb Au oz/t
152.8	157.2	ARENITE (AR) Silty arenite					
157.2	158.5	SHALE (SH) Silty shale spotted with carbonate and with 2 2" qv					
158.5	163.5	ARENITE (AR) Silty arenite, foliation 60 degrees to core.					
163.5	165.5	SHALE (SH) grey shale					
165.5	185.0	ARENITE (AR) silty arenite, becoming typical at 175.0 with a shaly bed from 178.0 to 178.2					
185.0	189.0	SHALE-BELT (SH, BELT) Black to graphitic shale with 5% aspy and 50 % quartz	13586	185.00	189.00	4.00	439 0.014
189.0	192.2	ARENITE (AR) Arenite, typical with qv from 191.0 to 191.5 with aspy phenoblast					
192.2	197.3	QUARTZ VEIN (QV) Massive quartz vein with 5% black shale inclusions.	13587	192.20	197.30	5.10	159 0.005
197.3	202.3	ARENITE (AR) Typical arenite with aspy phenoblasts at the end					
202.3	204.3	SHALE (SH) Black shale with minor qv material	13588	202.30	204.30	2.00	3386 0.100
204.3	214.4	ARENITE (AR) Typical foliated arenite, foliation 72 degrees					
214.4	221.0	SHALE (SH) Black to graphitic shale with aspy phenoblasts, 2-3% disseminated aspy and 10% quartz vein material	13589 13590	214.40 218.00	218.00 221.00	3.60 3.00	3332 3015 0.092 0.075
221.0	226.0	ARENITE (AR) Typical foliated arenite					
226.0	233.2	SHALE (SH) Black to grahitic spotted shale with 1% aspy	13591 13592	226.00 230.00	230.00 233.20	4.00 3.20	231 169 0.007 0.005
233.2	237.3	QUARTZ VEIN (QV) Massive quartz vein with 5% black shale fragments.	13593	233.20	237.30	4.10	150 0.005
237.3	244.2	ARENITE (AR) Typical foliated arenite					
244.2	246.6	GREYWACKE (GR) Medium grained greywacke					
246.6	248.2	SHALE (SH) Black shale	13594	246.20	248.20	2.00	203 0.006

HOLE No: br76

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br76

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
248.2	250.2	QUARTZ VEIN (QV) Massive quartz vein	13595	248.20	250.20	2.00	56	0.001
250.2	256.0	ARENITE (AR) Typical foliated arenite						
256.0	256.1	BRECCIA (BRECCIA) Brecciated zone in arenite with qtz and aspy						
256.1	360.5	ARENITE (AR) Typical foliated arenite, foliation 42 degrees						
360.5	362.2	SHALE (SH) light grey crennulated silty shale with an apparent bedding of 65 degrees to core						
362.2	381.0	ARENITE (AR) Typical foliated arenite						
381.0	382.0	SHALE (SH) light grey very silty shale						
382.0	390.3	ARENITE (AR) Typical foliated arenite						
390.3	392.2	SHALE (SH) Silty shale						
392.2	394.2	ARENITE (AR) Typical foliated arenite						
394.2	397.6	SHALE (SH) Silty shale with several narrow qv						
397.6	579.8	ARENITE WITH INTERCALATED SHALE UNITS (AR,SH) Typical arenite with intercalated silty shale units as follows: from 487.8 to 491.2 silty shale, bedding 60 degrees from 500.0 to 502.2 silty shale 502.8 to 504.5 crennulated silty shale, bedding 62 degrees narrow qv at 536.8 from 536.8 to 544.0 silty shaly greywacke qv at 543.8 546.5 to 549.7 silty shaly greywacke						
579.8	584.0	SHALE (SH) Silty shale, apparent bedding 70 degrees to core.						
584.0	632.0	ARENITE (AR) Typical foliated arenite						
632.0	633.5	GREYWACKE (GR) Massive medium grained greywacke						
633.5	635.5	SHALE (SH) Silty shaly greywacke with a 2 cm ptymatically folded qv at 634.0						
635.5	669.5	ARENITE (AR) Typical arenite with a 15 cm qv at 661.5						

HOLE No: br76

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br76

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
669.5	674.2	SHALE (SH) Grey shale, with apparent bedding 58 degrees to core, with a fracture zone at 672.0 and a quartz vein with aspy phenoblasts from 673.0 to 674.2	13596 13597	669.50 673.00	673.00 674.20	3.50 1.20	215 530	0.007 0.014
674.2	680.0	SHALE (SH) Silty shaly greywacke grading to greywacke at 680.0. At the end of the section a shaly bedlet with a ptymatically folded qv with traces of po and chpy						
680.0	698.0	GREYWACKE (GR) Massive medium grained greywacke						
698.0	738.5	ARENITE (AR) Typical arenite, foliated 45 degrees to core Silicified and with large aspy phenoblasts from 725.5 to 738.5. At the end the foliation is 25 degrees to core.	13598	725.50	730.30	5.00	93	0.002
738.5	740.0	GREYWACKE (GR) Massive coarse grained greywacke						
740.0	749.0	ARENITE (AR) Typical arenite						
749.0	754.6	SHALE (SH) Grey silty shale to silty shale greywacke with a narrow veinlet of po and chpy. The shale is spotted with chlorite filled spots.						
754.6	757.2	QUARTZ VEIN (QV) Massive white quartz vein with chlorite inclusions. At the end of the qv, the arenite is impregnated with chlorite and appears leached. sample 13598 Ag .6 ppm; Ni 19 ppm; Co 10 ppm	13599	754.80	757.20	2.40	68	0.002
757.2	843.4	ARENITE (AR) Typical arenite with silty shale units as follows: 772.0 to 773.0 with bedding at 65 degrees to core 782.3 to 784.0. At 783.5 the rock contains small pink alteration spots (carbonate?) From 843.2 to 843.3 Fracture zone in brecciated arenite						
843.4	853.0	SHALY GREYWACKE (SHLY GR) Silty shaly greywacke with a qv from 849.2 to 849.3						
853.0	855.0	GREYWACKE (GR) Massive medium grained greywacke with a silty shale bed from 854.2 to 854.9						
855.0	1007.0	ARENITE (AR) Typical arenite with silty shale beds as follows: 10 cm at 858.7 from 862.3 to 864.0 from 872.1 to 872.3, chlorite rich at 877.2 to 877.5 with pink alteration dots						

HOLE No: br76



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br76

Page 6

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS	
						WIDTH	Au ppb Au oz/t
		from 886.5 to 886.8 silty shale quartz vein with chlorite from 959.5 to 959.6 and again pink alteration spots at 977.1 At 921.0 dissolution in the arenite along joint planes A small breccia at 979.0 and a quartz vein at 992 with chlorite.					
END OF HOLE 1007							

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
300.00	-58.00	366.00
600.00	-56.00	356.00
900.00	-53.00	360.00
1007.00	-53.00	360.00

HOLE No: br76

BR-76



# ASSAYERS ONTARIO LABORATORIES

A DIVISION OF ASSAYERS CORPORATION LTD.

33 CHANCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-155/8342 Date: November 14, 1988  
 Received 17 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Dr. Karl A. Naert

Sample No. Au ppb/oz/ton

BA78 507.5-509	13653	18	
-512.8	13654	9	
538.1-642 UG-	13655	4727	.13
-945	13656	171	
-548	13657	4086	.12
-552	13658	193	
-556.1	13659	1043	.029
559	13660	178	
564 - 569	13661	1414	.040
BA77 686.9-688	13662	40	
692.3-693.8	13663	166	
727-729.3	13664	26	
UG -732.2	13665	238	
BA78 691-692.1	13666	73	
735.8-737.1	13667	50	
BA77 812-813	13668	161	
816.9-818.3	13669	33	

ASSAYERS ONTARIO LABORATORIES

Per J. van Engelen Mgr.



# ASSAYERS ONTARIO LABORATORIES

A DIVISION OF ASSAYERS CORPORATION LTD.

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

FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-154/01/8304

Date: November 4, 1988

Received 90 Samples of Drill Core

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

*BR 75*

*BR 76*

*BR 77*

*BR 76*

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13563	45	13584	28
13564	90	13585	1552 .046
13565	303	13586	439 .014
13566	316	13587	159
13567	153	13588	3386 .10
13568	215	13589	3332 .092
13569	687 .020	13590	3015 .075
13570	240	13591	231
13571	211	13592	169
13572	1052 .029	13593	150
13573	2413 .072	13594	203
13574	713 .021	13595	56
13575	* .11	13596	216
13576	706 .020	13597	530 .014
13577	171	13598	93
13578	175	13599	68
13579	52	13600	566 .017
13580	97	13601	167
13581	352	13602	4942 .13
13582	3887 .10	13603	1255 .038
13583	92	13604	3654 .11

ASSAYERS ONTARIO LABORATORIES

Per \_\_\_\_\_

J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO

HOLE No.: br77

Collar Eastings: 741.47

Collar Northings: 318.24

Collar Elevation: 37.83

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 849.00 feet

Logged by: KAN

Date: October 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS				
				FROM	TO	WIDTH	Au ppb	Au oz/t
0	19.3	OVERBURDEN (OB)						
19.3	30.0	ARENITE (AR) Typical irregularly foliated arenite, more like massive graywacke from 27.0						
30.0	36.1	SHALE (SH) Dark shale with 1% aspy, a 5 cm qv parallel to core another from 31.5 to 31.7. Overall the section has 15 % quartz vein material.	13601	33.00	36.10	3.10	167	0.005
36.1	47.0	ARENITE (AR) Irregularly foliated arenite						
47.0	49.5	GREYWACKE (GR) Massive coarse grained greywacke						
49.5	52.0	ARENITE/BLACK SHALE (AR,SH) Endurated black shale-arenite contact subparallel to core, with a small qv and trace popy	662	49.50	52.00	2.50	4942	0.130
52.0	62.5	ARENITE (AR) Irregularly foliated arenite						
62.5	67.2	QUARTZ VEIN /BLACK SHALE (QV/SH) quartz vein and black shale subparallel to core. The black shale contains 1% aspy. It seems as if the section between 49.5 and 67.2 runs parallel to bedding(?)	13603 13604	62.50 65.00	65.00 67.20	2.50 2.20	1255 3654	0.038 0.110
67.2	88.0	ARENITE (AR) Arenite with a foliation sub-parallel to core with a qv running along half the core. With some large aspy phenoblasts and chlorite.						
88.0	91.5	QUARTZ VEIN (QV) Massive qv with some chlorite						
91.5	92.5	ARENITE (AR) foliated arenite as above	13605	88.00	92.50	4.50	2120	0.059
92.5	100.0	QUARTZ VEIN (QV) quartz vein with chlorite and displaying some dissolution cavities. Poor recovery 40% broken core from 92.5 to 95.0 and from 97.0 to 102.0	13606 13607	92.50 96.00	96.00 100.00	3.50 4.00	1431 1331	0.042 0.038
100.0	157.7	ARENITE (AR) Broken arenite, with some qv subparallel and trace aspy. Foliation sub-parallel to core broken at 106.0 to 107.5; 116.0 to 117.0, 120.8 to 122.0 154.0 to 156.0 grey to dark shale with 1-2% aspy	13608 13609	154.00 156.00	156.00 157.70	2.00 1.70	1309 1297	0.037 0.035

Change from NQ to BQ at 150.0

HOLE No: br77

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br77

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
157.7	221.0	QUARTZ VEIN BLACK SHALE (QV,BL.SH,BELT) Quartz vein and black shale intercalated as follows: small be of black shale at 158.0 10% quartz to 167.0 90% quartz from 167.0 to 177.0 50% quartz rom 177.0 to 189.0 95% quartz from 189.0 to 217.0 30% quartz from 217.0 to 221.0, shale with 2% aspy bedding at the beginning of the section 53 degrees to core.	13610	157.70	162.00	4.30	185	0.006
			13611	162.00	167.00	5.00	2341	0.069
			13612	167.00	172.00	5.00	211	0.007
			13613	172.00	177.00	5.00	867	0.025
			13614	177.00	182.00	5.00	518	0.015
			13615	182.00	187.00	5.00	215	0.007
			13616	187.00	189.00	2.00	597	0.017
			13617	189.00	194.00	5.00	202	0.006
			13618	194.00	199.00	5.00	188	0.006
			13619	199.00	204.00	5.00	71	0.002
			13620	204.00	209.00	5.00	171	0.005
			13621	209.00	214.00	5.00	203	0.006
			13622	214.00	217.00	3.00	99	0.003
13623	217.00	221.00	4.00	26	0.000			
221.0	234.0	ARENITE (AR) Typical arenite with qv from 230.0 to 231.0						
234.0	248.0	SHALE (SH) Black endurated shale with 2-5%aspy	13624	234.00	239.00	5.00	212	0.007
			13625	239.00	244.00	5.00	168	0.005
			13626	244.00	248.00	4.00	242	0.008
248.0	255.0	SILTY SHALE (SLTY SH) Spotted grey silty shale						
255.0	258.5	ARENITE (AR) Typical foliated arenite, foliation 72 degrees.						
258.5	271.0	SHALE (SH) Grey shale with an apparent bedding of 58 degrees						
271.0	352.0	ARENITE (AR) Typical foliated arenite, foliation 52 degrees to core. From 303.0 to 303.2 grey shale with a apparent bedding of 45 degrees at core. Foliation in the arenite toward the end 70 degrees to core. quartz vein from 336.5 to 337.1						
352.0	360.5	SHALE (SH) 1/2ft quartz vein followed by endurated shale with a crushed zone at 354.0. At 360.5 qv sub-parallel to core with spotted shale	13627	352.00	356.00	4.00	473	0.013
			13628	356.00	360.50	4.50	352	0.010
360.5	367.0	GREYWACKE (GR) Massive medium grained greywacke.						
367.0	393.0	ARENITE (AR) Typical arenite, silicified, with a foliation 55 degrees to core and a dark shale bed from 386.7 to 387.0						
393.0	398.4	SHALY GREYWACKE (SHLY GR) Grey shaly greywacke in sharp						

HOLE No: br77

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br77

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS			Au ppb	Au oz/t
				FROM	TO	WIDTH		
		contact with silty shales at 398.4. Bedding 62 degrees to core.						
398.4	406.0	SHALE (SH) Gray silty spotted shale with biotite filled spots.						
406.0	511.3	ARENITE (AR) Typical foliated arenite, silicified and with shaly beds intercalated as follows: from 421.0 to 422.0; 424.0 to 428.0; 458.0 to 458.5 with a ptygmatically folded qv; ptygmatic qv at 462.0 and 464.0 with trace po; silty shale from 464.5 to 465.5						
511.3	513.5	QUARTZ VEIN (QV) Massive white quartz vein	13629	511.30	513.50	2.20	243	0.008
513.5	534.8	ARENITE (AR) Typical arenite, foliation 70 degrees to core with a bed of spotted silty shale from 524.8 to 527.2						
534.8	538.0	GREYWACKE (GR) Massive medium grained greywacke, grading to endurated shale by 538.0						
538.0	543.6	SHALE (SH) Endurated shale with 2-3% aspy	13630	538.00	543.60	5.60	191	0.006
543.6	550.3	QUARTZ VEIN (QV) Massive quartz vien with 10% black shale inclusions.	13631 13632	543.60 548.00	548.00 550.30	4.40 2.30	155 563	0.005 0.017
550.3	556.0	SHALE (SH) Black endurated shale with 2% aspy, qv at 556.0	13633	550.30	556.00	5.70	614	0.017
556.0	557.1	GREYWACKE (GR) Medium grained greywacke with 1% aspy						
557.1	559.6	ARENITE (AR) Typical foliated arenite						
559.6	565.0	SHALE (SH) Black endurated shale with 1% aspy and with a good bedding contact of 45 degrees to core.	13634 13635	559.60 562.00	562.00 565.00	2.40 3.00	246 486	0.008 0.011
565.0	578.5	ARENITE (AR) Typical foliated arenite, foliation 70 degrees						
578.5	586.8	GREYWACKE (GR) Medium grained greywacke						
586.8	594.8	SHALY GREYWACKE (SHLY GR) Silty shaly greywacke with a bedding contact at 72 degrees to core. A narrow ptygmatically folded qv at 588.0 and a crushed zone at 592.3						
594.8	607.0	GREYWACKE (GR) Massive greywacke with a few silty shale beds						
607.0	608.3	SHALE (SH) Silty shale: upper contact 69 degrees to core lower contact 65 degrees to core.						

HOLE No: br77

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br77

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
608.3	618.0	ARENITE (AR) Typical foliated and silicified						
618.0	619.0	GREYWACKE (GR) Medium grained massive greywacke						
619.0	624.5	SHALY GREYWACKE (SHLY GR) grey silty shaly greywacke						
624.5	635.0	ARENITE (AR) Typical foliated arenite, silicified and foliation 62 degrees to core.						
635.0	639.0	GREYWACKE (GR) medium grained greywacke with silty beds, with a lower bedding contact of 55 degrees to core.						
639.0	686.8	ARENITE (AR) Typical foliated and silicified arenite, foliation 58 degrees to core broken core from 665.0 to 667.0 2" qv at 675.5						
686.8	687.5	QUARTZ VEIN (QV) Massive white quartz vein						
687.5	689.0	ARENITE (AR) Massive arenite, chloritized from 687.5 to 688.1	13662	686.80	688.10	1.30	40	0.001
689.0	692.3	GREYWACKE (GR) Greywacke grading the shale						
692.3	693.8	SHALE (SH) Dark durated shale	13663	692.30	693.80	1.50	166	0.005
693.8	707.0	ARENITE (AR) Typical arenite with a silty shale bed at the beginning of the section						
707.0	712.0	GREYWACKE (GR) Massive greywacke						
712.0	728.0	ARENITE (AR) Typical foliated arenite						
728.0	730.0	SHALE (SH) Beginning with greywacke grading rapidly to shale. Apparent bedding 25 degrees to core.	13664	728.00	729.30	1.30	26	0.000
730.0	732.2	QUARTZ VEIN (QV) Masive quartz vein with a shaly bed from 732.0 to 732.2	13665	729.30	732.20	2.90	238	0.007
732.2	753.0	ARENITE (AR) Typical foliated and silicified, with foliation 78 degrees to core.						
753.0	758.5	GREYWACKE (GR) greywacke followed by shaly greywacke qv at 758.5						

HOLE No: br77



BR-77

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A DIVISION OF ASSAYERS CORPORATION LTD.

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-154/02/8304

Date: November 4, 1988

Received 90 Samples of Drill Core

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

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13605	2120 .059	13623	26
13606	1431 .042	13624	212
13607	1331 .038	13625	168
BR77 13608	1309 .037	13626	242
13609	1297 .035	13627	473 .013
13610	185	13628	352
13611	2341 .069	13629	243
13612	211	13630	191
13613	867 .025	13631	155
13614	518 .016	13632	563 .017
13615	215	13633	614 .017
13616	597 .017	13634	246
13617	202	13635	486 .011
13618	188	13636	152
13619	71	13637	155
13620	171	13638	157
13621	203	13639	169
13622	99	13640	630 .017

ASSAYERS ONTARIO LABORATORIES

Per  J. van Engelen Mgr.

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FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-154/02/8304

Date: November 4, 1988

Received 90 Samples of Drill Core

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

Sample No.	Au ppb/oz/ton	Sample No.	Au ppb/oz/ton
13605	2120 .059	13623	26
13606	1431 .042	13624	212
13607	1331 .038	13625	168
13608	1309 .037	13626	242
13609	1297 .035	13627	473 .013
13610	185	13628	352
13611	2341 .069	13629	243
13612	211	13630	191
13613	867 .025	13631	155
13614	518 .016	13632	563 .017
13615	215	13633	614 .017
13616	597 .017	13634	246
13617	202	13635	486 .011
13618	188	13636	152
13619	71	13637	155
13620	171	13638	157
13621	203	13639	169
13622	99	13640	630 .017

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BR77

BR78

ASSAYERS ONTARIO LABORATORIES

Per J. van Engelen Mgr.

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FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-154/03/8304 Date: November 4, 1988  
Received 90 Samples of Drill Core  
Submitted by Narex Ore Search Consultants Inc. Att'n: Dr. Karl A. Naert

BR 78

Sample No.	Au ppb/oz/ton
13641	2040 .063
13642	203
13643	478 .013
13644	335
13645	>10000 1.06
13646	5031 .14
13647	3891 .11
13648	3105 .090
13649	4559 .13
13650	2895 .084
13651	232
13652	249

# 13598 Ag ppm Ni ppm Co ppm  
.6 19 10

ASSAYERS ONTARIO LABORATORIES

Per   
J. van Engelen Mgr.



# ASSAYERS ONTARIO LABORATORIES

A DIVISION OF ASSAYERS CORPORATION LTD.

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. NX-155/8342

Date: November 14, 1988

Received \_\_\_\_\_ 17 Samples of Drill Core

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

Sample No.

Au ppb/oz/ton

BR 78 507.5-509	13653	18	
-512.8	13654	9	
538.1-642 UG-	13655	4727	.13
-545	13656	171	
-548	13657	4086	.12
-552	13658	193	
-556.5	13659	1043	.029
553	13660	178	
564 - 569	13661	1414	.040
BR 77 686.1-688.1	13662	40	
692.3-695.8	13663	166	
727-729.3	13664	26	
UG -752.2	13665	238	
BR 78 691-692.1	13666	73	
735.8-737.1	13667	50	
BR 77 812-813	13668	161	
816.9-818.2	13669	33	

ASSAYERS ONTARIO LABORATORIES

Per \_\_\_\_\_

*J. van Engelen*  
J. van Engelen Mgr.

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORD

HOLE No.: br78

Collar Eastings: 505.25

Collar Northings: 331.36

Collar Elevation: 50.26

Collar Inclination: -90.00

Grid Bearing: 360.00

Final Depth: 757.00 feet

Logged by: KAN

Date: October 1988

Down-hole Survey: Tropari

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
0	26.0	OVERBURDEN (OB)						
26.0	26.2	ARENITE (AR)						
26.2	46.5	QUARTZ VEIN (QV) Massive quartz vein with 2% black shale fragments. Recovery between 36.5 and 46.5 only 50%	13636 13637 13638 13639	26.20 31.00 36.00 41.00	31.00 36.00 41.00 46.50	4.80 5.00 5.00 5.50	152 155 157 169	0.005 0.005 0.005 0.005
46.5	89.0	ARENITE (AR) Typical foliated arenite; foliation sub-parallel to 50 degrees to core. Core broken up to 57.0 the last 2 ft more like graywacke with a few large aspy phenoblasts.						
89.0	93.0	SHALE (SH) Endurated shale with 2-3% aspy, with apparent bedding 75 degrees to core	13640 13641	89.00 91.00	91.00 93.00	2.00 2.00	630 2040	0.017 0.063
93.0	100.0	QUARTZ VEIN (QV) Massive quartz vein with 5% black shale fragments with some aspy and with chlorite inclusions in the quartz	13642 13643 13644	93.00 96.00 98.00	96.00 98.00 100.00	3.00 2.00 2.00	203 478 335	0.006 0.013 0.010
100.0	123.0	ARENITE (AR) Typical foliated arenite						
123.0	128.0	SHALE (SH) Grey to dark spotted shale with biotite filled spots						
128.0	166.0	ARENITE (AR) Typical arenite, foliation 78 degrees to core.  Change from NQ to BQ at 151.0	13645	160.00	165.00	5.00	10000	1.060
166.0	177.1	BLACK SHALE (BL.SH, BELT) Black shale with 2-3% aspy and 50% qv material. Apparent bedding at the beginning 50 degrees at the end 65 degrees to core.	13646 13647 13648	165.00 170.00 175.00	170.00 175.00 177.00	5.00 5.00 2.00	5031 3891 3105	0.140 0.110 0.090
177.1	199.0	ARENITE (AR) Typical foliated arenite						
199.0	203.0	SHALE (SH) Grey shale with some chlorite spots						
203.0	216.2	AERNITE (AR) Typical foliated arenite						
216.2	221.0	SHALE (SH) Grey to dark shale with 1% aspy						
221.0	258.0	ARENITE (AR) Typical foliated arenite						

HOLE No: br78

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br78

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
258.0	259.0	SHALE (SH) Grey shale with qv						
259.0	342.3	ARENITE (AR) Typical arenite, silicified with the foliation sub-parallel to 80 degrees to core. QV from 297.0 to 297.5. dissolution cavities along a brecciated zone at 316.0						
342.3	350.8	SHALE (SH) Dark endurated shale, spotted with elongated chlorite-biotite spots. Upper contact along a qv 52 degrees to core. Sheared -mudseam at 347.0	13649 13650	342.30 347.00	347.00 350.80	4.70 3.80	4539 2895	0.130 0.084
350.8	357.0	GREYWACKE (GR) Coarse greywacke grading to typical arenite by the end of the section						
357.0	382.0	ARENITE (AR) Typical arenite, foliation 75 degrees to core.						
382.0	389.2	SHALE (SH) Black endurated shale with 1 % aspy with 2 10cm qv, apparent bedding 45 degrees to core.	13651 13652	382.00 385.00	385.00 389.20	3.00 4.20	232 249	0.007 0.008
389.2	392.0	GREYWACKE SHALE (GR,SH) Greywacke with spotted shale fragments and bedlets						
392.0	396.0	ARENITE (AR) Typical foliated arenite						
396.0	397.2	SHALE (SH) Grey spotted shale with biotite filled spots						
397.2	410.0	ARENITE (AR) Typical foliated arenite						
410.0	410.9	SHALE (SH) Shaly bedlet with 5 cm qv with trace po						
410.9	413.0	GREYWACKE (GR) Medium grained greywacke						
413.0	415.0	SHALY GREYWACKE (SHLY GR) Shaly greywacke with chlorite, with a small qv. Apparent bedding 60 degrees to core. Appears to be a breccia zone at 425.0						
415.0	508.5	ARENITE (AR) Typical arenite with aspy phenoblasts						
508.5	509.0	GREYWACKE (GR) Foliated greywacke, foliation 52 degrees to core	13653	507.50	509.00	1.50	18	0.000
509.0	512.8	QUARTZ VEIN (QV) Massive white quartz vein with small scattered green chlorite inclusions	13654	509.00	512.80	3.80	9	0.000
512.8	536.6	ARENITE (AR) Typical foliated arenite with aspy phenoblasts at						

HOLE No: br78

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORG  
HOLE No.: br78

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
		the beginning of the section at 524.0 a 2" silty shale with an apparent bedding of 52 degrees to core. At 525.5 silty shale bed with po veinlet						
536.6	538.1	GREYWACKE (GR) Greywacke with 1-2% aspy						
538.1	539.0	QUARTZ VEIN BLACK SHALE (QV, BL, SH, BELT) Belt, beginning with black endurated shale with 2-3% aspy followed by quartz vein material with varying amounts of black shale inclusions as follows: 538.1 to 538.5 black shale	13655	538.10	542.00	3.90	4727	0.130
		538.5 to 539.5 20 % black shale	13656	542.00	545.00	3.00	171	0.005
		547.0 to 542.0 10 % black shale	13657	545.00	548.00	3.00	4086	0.120
		542.5 to 544.0 20 % black shale	13658	548.00	552.00	4.00	193	0.005
		546.0 to 547.0 10 % black shale	13659	552.00	556.50	4.50	1043	0.029
		547.5 to 552.0 5 % black shale	13660	556.50	559.00	2.50	178	0.006
		552.0 to 556.5 20 % qv material, at the end 4% aspy in the shale						
		556.5 to 559.0 grey silty shale with 2 % aspy The upper contact is sharp at 72 degrees to core, while the lower contact is gradual in the greywacke - arenite						
559.0	564.0	GREYWACKE ARENITE (GR AR) Shaly greywacke /arenite						
564.0	568.8	SHALE (SH) Dark endurated shale with 1% aspy and 5 % qv material						
568.8	578.0	GREYWACKE (GR) Silty greywacke	13661	564.00	569.00	5.00	1414	0.040
578.0	581.5	ARENITE (AR) Typical foliated arenite, foliation 72 degrees and with pink alteration spots over the last 1/2 ft						
581.5	593.0	GREYWACKE (GR) Masive medium grained greywacke						
593.0	601.0	ARENITE (AR) silty arenite with narrow shaly sections ptygmatically folded qv at 595.0 with po; at 596.0 with po and at 598.0						
601.0	601.3	FRACTURE ZONE (FRACTURE) crushed arenite						
601.3	628.0	ARENITE (AR) Arenite with alternating greywacke beds						
628.0	632.5	SHALE (SH) Sharp contact with crenulated shale and shaly greywacke. Apparent bedding 70 degrees to core.						

HOLE No: br78



NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br78

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
		A ptymatically folded qv with po at 529.2						
632.5	650.0	ARENITE (AR) Typical foliated, silicified arenite						
650.0	653.0	GREYWACKE (GR) Medium grained massive greywacke						
653.0	655.0	ARENITE (AR) Typical arenite with a narrow po veinlet						
655.0	662.3	GREYWACKE (GR) Massive medium grained greywacke						
662.3	691.0	ARENITE (AR) Typical foliated, silicified arenite, foliation 58 degres to core						
691.0	692.1	QUARTZ VEIN (QV) Massive white qv with aspy at the contact	13666	691.00	692.10	1.10	73	0.002
692.1	713.5	ARENITE (AR) Typical foliated arenite, foliation 60 degrees						
713.5	716.8	GREYWACKE (GR) Silty greywacke						
716.8	728.1	ARENITE (AR) Typical foliated arenite						
728.1	736.8	SHALY GREYWACKE (SHLY GR) Sharp contact with silty shaly greywacke, apparent bedding 68 degres to core. The last two feet of the section are massive greywacke. Sharp contact at the lower end.						
736.8	737.1	SHALE (SH) Grey crennulated shale, apparent bedding 72 degrees	13667	735.80	737.10	1.30	50	0.001
737.1	757.0	ARENITE (AR) Typical foliated arenite with shaly greywacke unit from 755.5 to 756.0 with a qv subparallel to core.						
END OF HOLE 757.0								

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
300.00	-87.00	382.00
600.00	-87.00	370.00
757.00	-87.00	370.00

HOLE No: br78

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: GOLDBORO  
HOLE No.: br77

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS		
						WIDTH	Au ppb	Au oz/t
758.5	808.0	ARENITE (AR) Typical arenite with a greywacke bed from 764.0 to 765.5, a silty shale bed from 773.6 to 773.3 with an apparent bedding of 75 degrees to core. Several minor silty shale beds occur in this section. The foliation in the arenite is 68 degrees to core.						
808.0	816.9	GREYWACKE-ARENITE (GR-AR) sandy greywacke with a qv from 812.0 to 813.0	13668	812.00	813.00	1.00	161	0.005
816.9	818.3	SHALE (SH) Grey crenulated silty shale with an apparent bedding of 70 degrees to core, with a ptymatically folded qv	13669	816.90	818.30	1.40	33	0.001
818.3	849.0	ARENITE (AR) Typical foliated arenite, foliation 68 degrees to core. Silicified over the last 15 ft						
END OF HOLE 849.0								

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
300.00	-88.00	337.00
600.00	-88.00	342.00
849.00	-87.00	347.00

HOLE No: br77

88 385

242

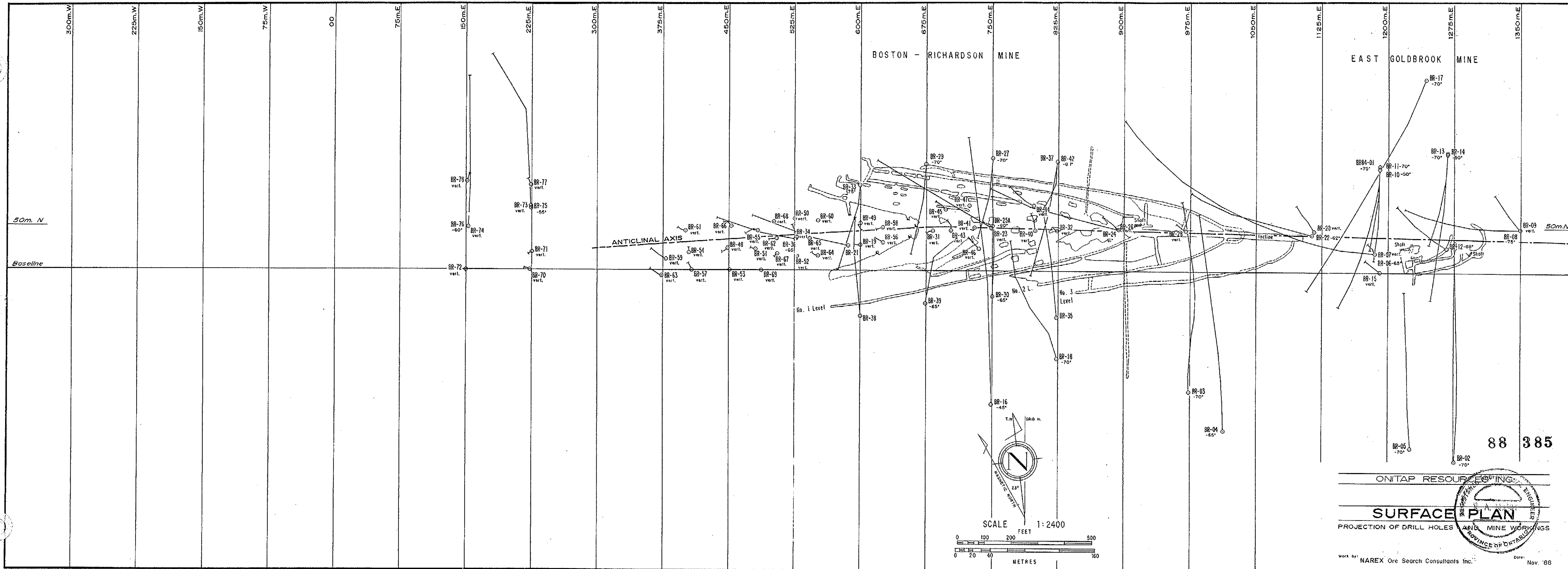
REVIEW OF THE EXPLORATION PROGRAM  
PERFORMED BY ONITAP RESOURCES INC.  
IN THE GOLDBORO AREA  
GUYSBOROUGH COUNTY - NOVA SCOTIA  
DEVELOPMENT LICENSE No. 0114  
November, 1988

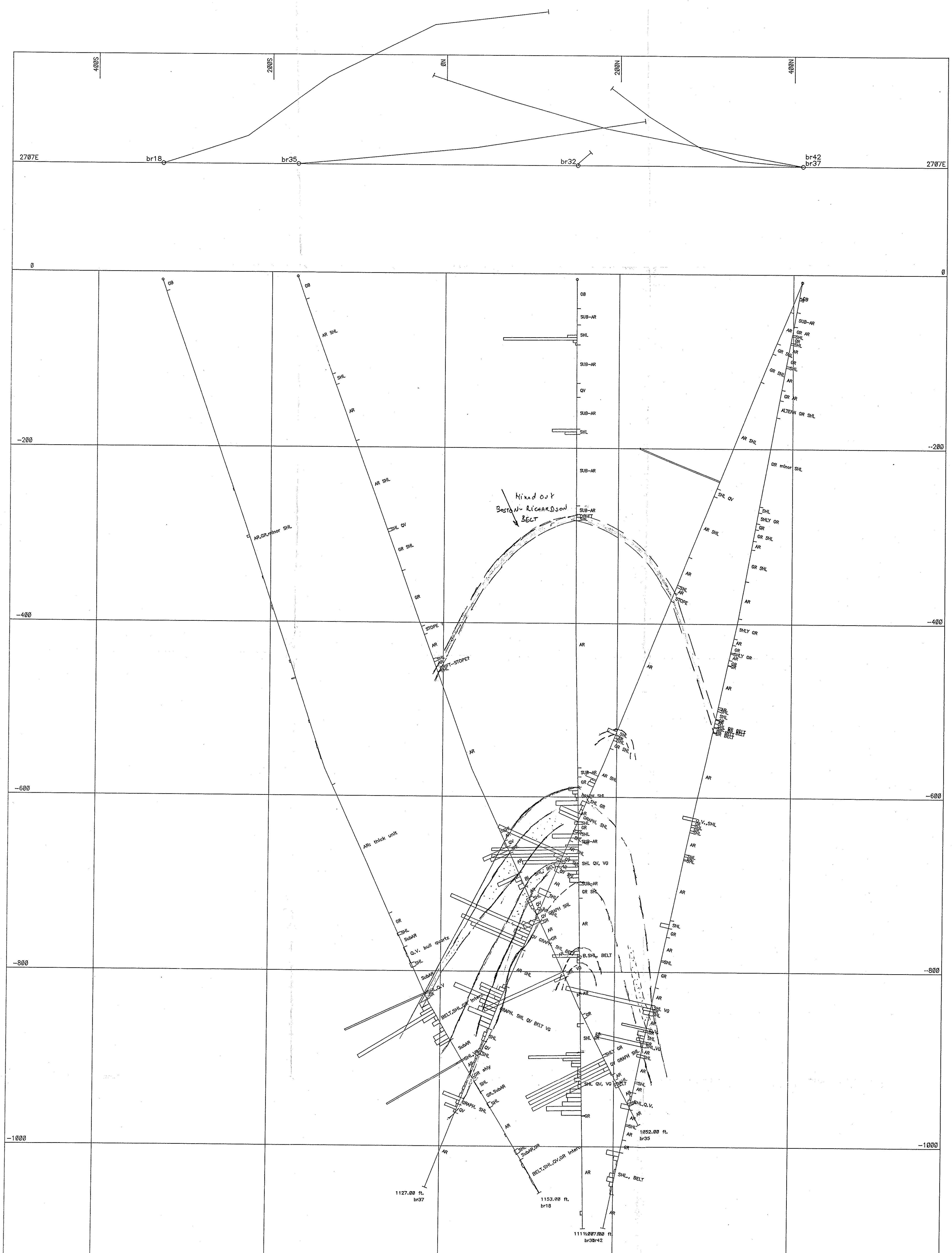
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

RECEIVED

Dec 9 10 18 08

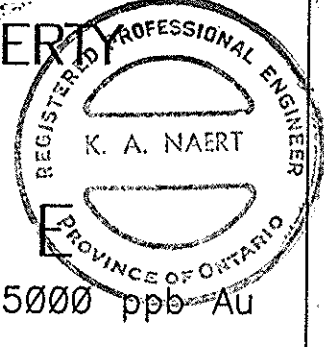
MINES  
AND ENERGY

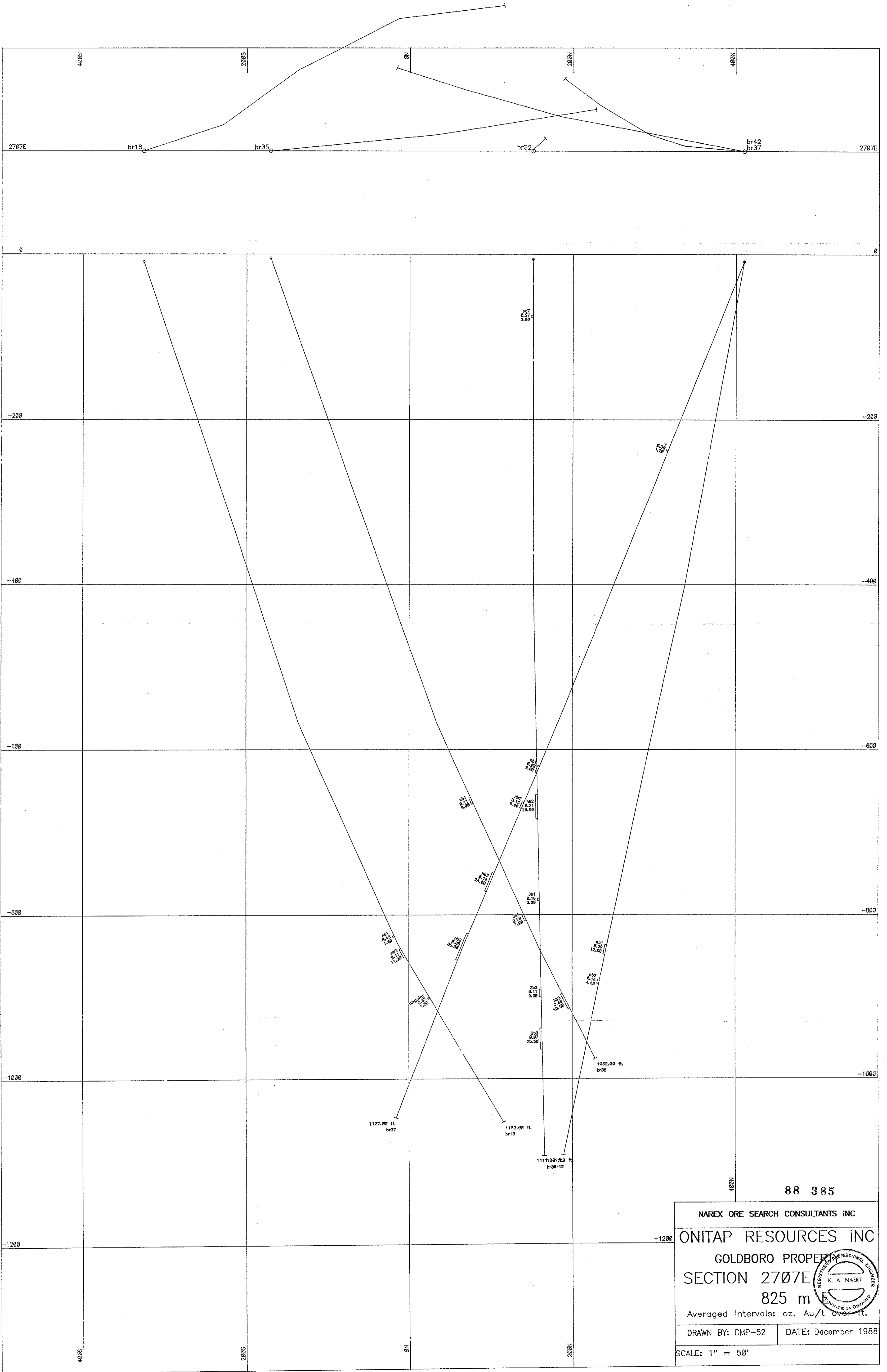




88 385

NAREX ORE SEARCH CONSULTANTS INC	
ONITAP RESOURCES INC	
GOLDBORO PROPERTY	
SECTION 2707E	
825 m	
GEOLOGY & BARGRAPH: 1 inch = 5000 ppb Au	
DRAWN BY: DMP-52	DATE: August 1988
SCALE: 1" = 50'	





88 385

NAREX ORE SEARCH CONSULTANTS INC

**ONITAP RESOURCES INC**

GOLDBORO PROPERTY

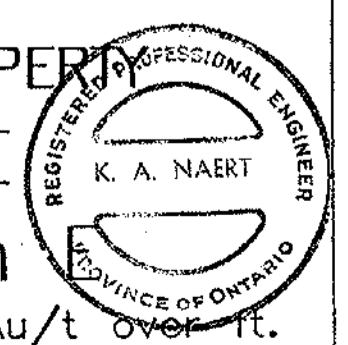
SECTION 2707E

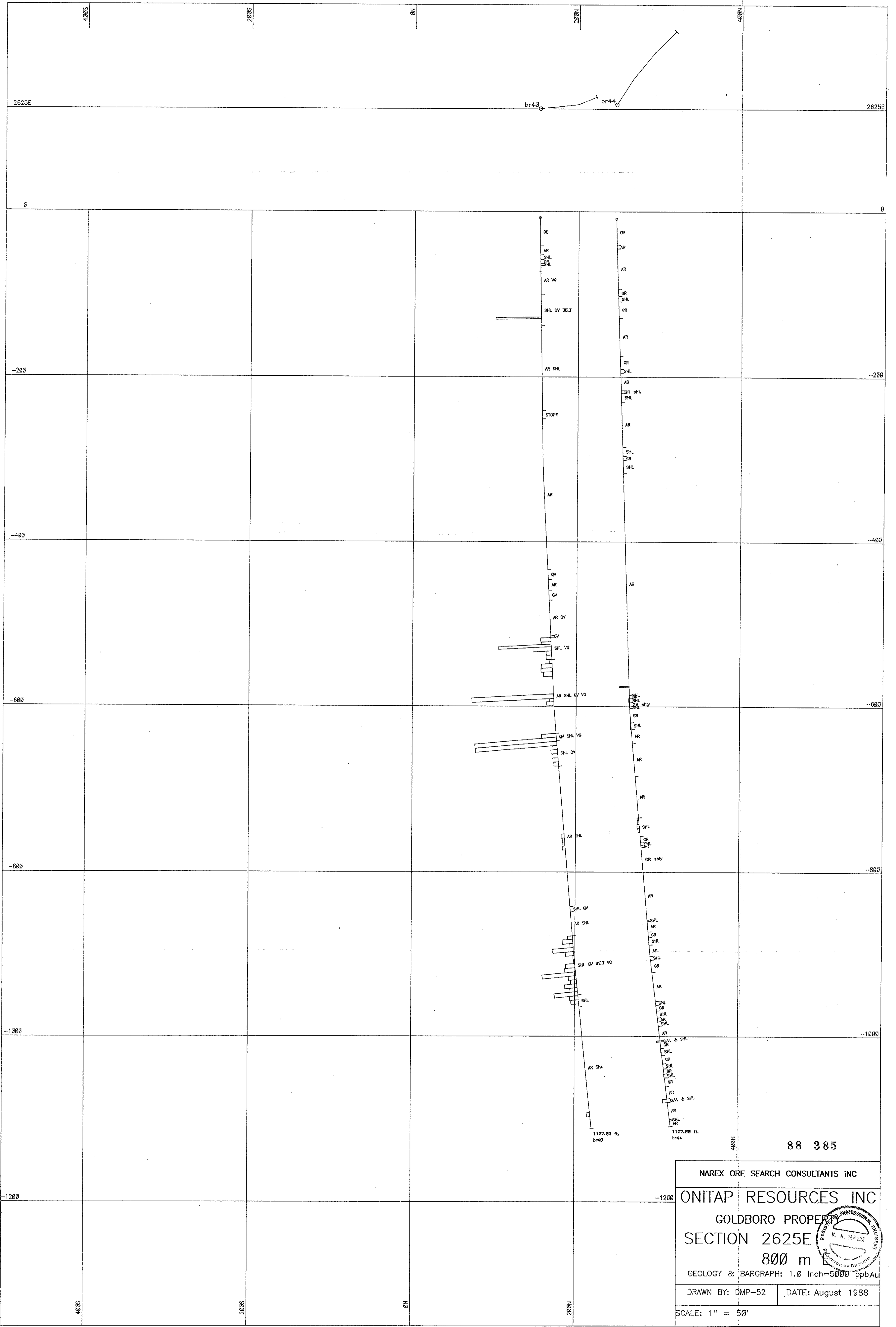
825 m

Averaged Intervals: oz. Au/t over ft.

DRAWN BY: DMP-52    DATE: December 1988

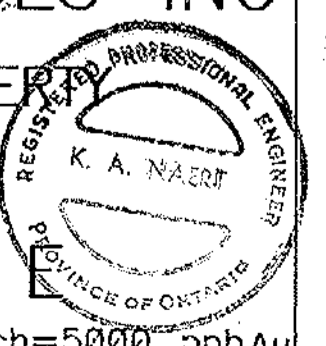
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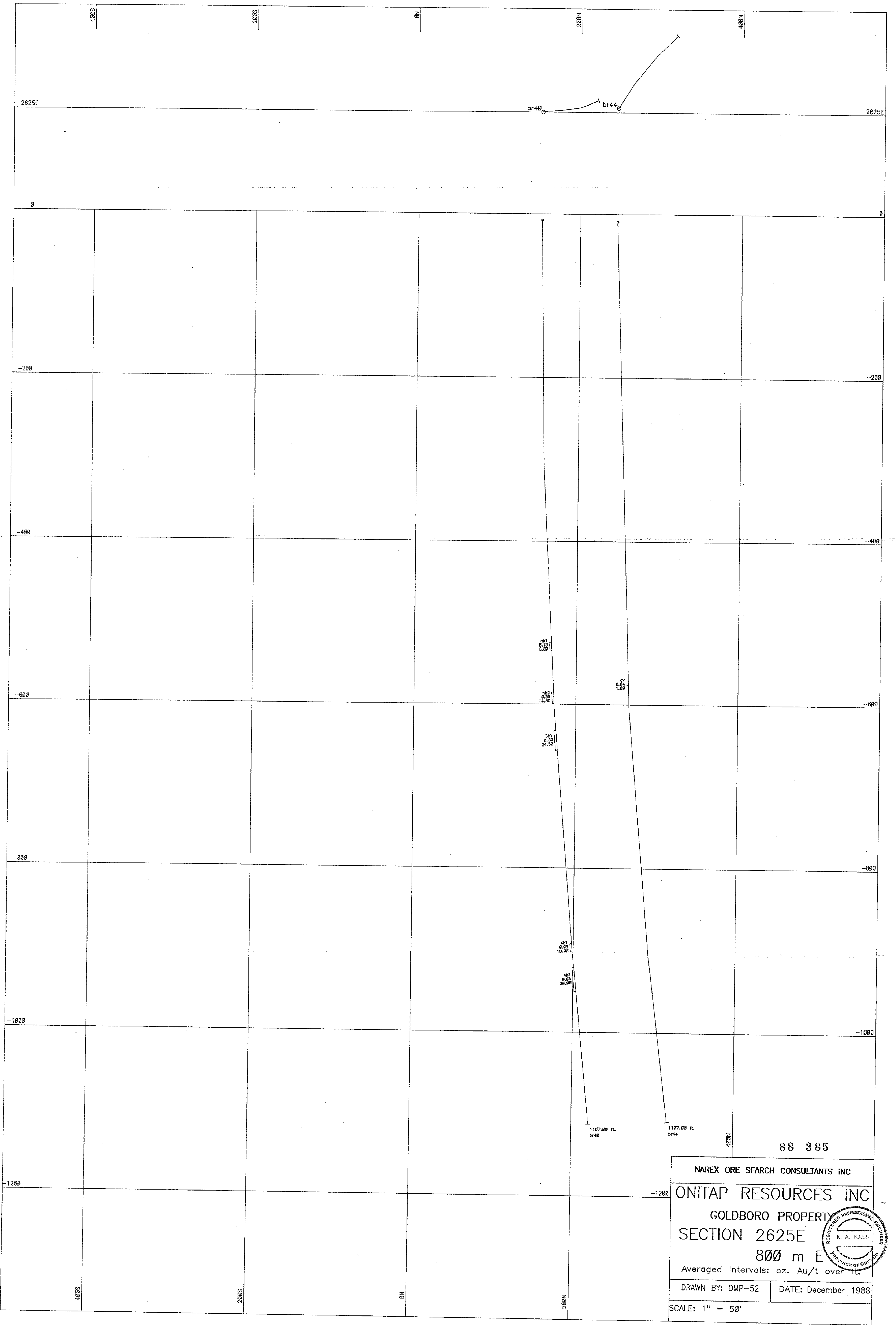


88 385

NAREX ORE SEARCH CONSULTANTS INC	
ONITAP RESOURCES INC	
GOLDBORO PROPERTY	
SECTION 2625E	
800 m	
GEOLOGY & BARGRAPH: 1.0 inch=5000' ppbAu	
DRAWN BY: DMP-52	DATE: August 1988
SCALE: 1" = 50'	

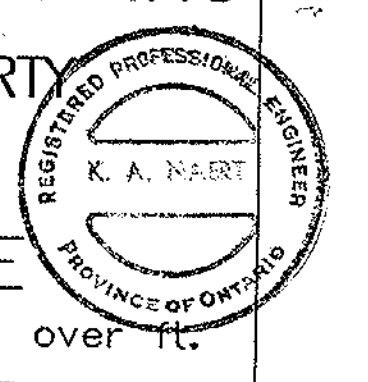




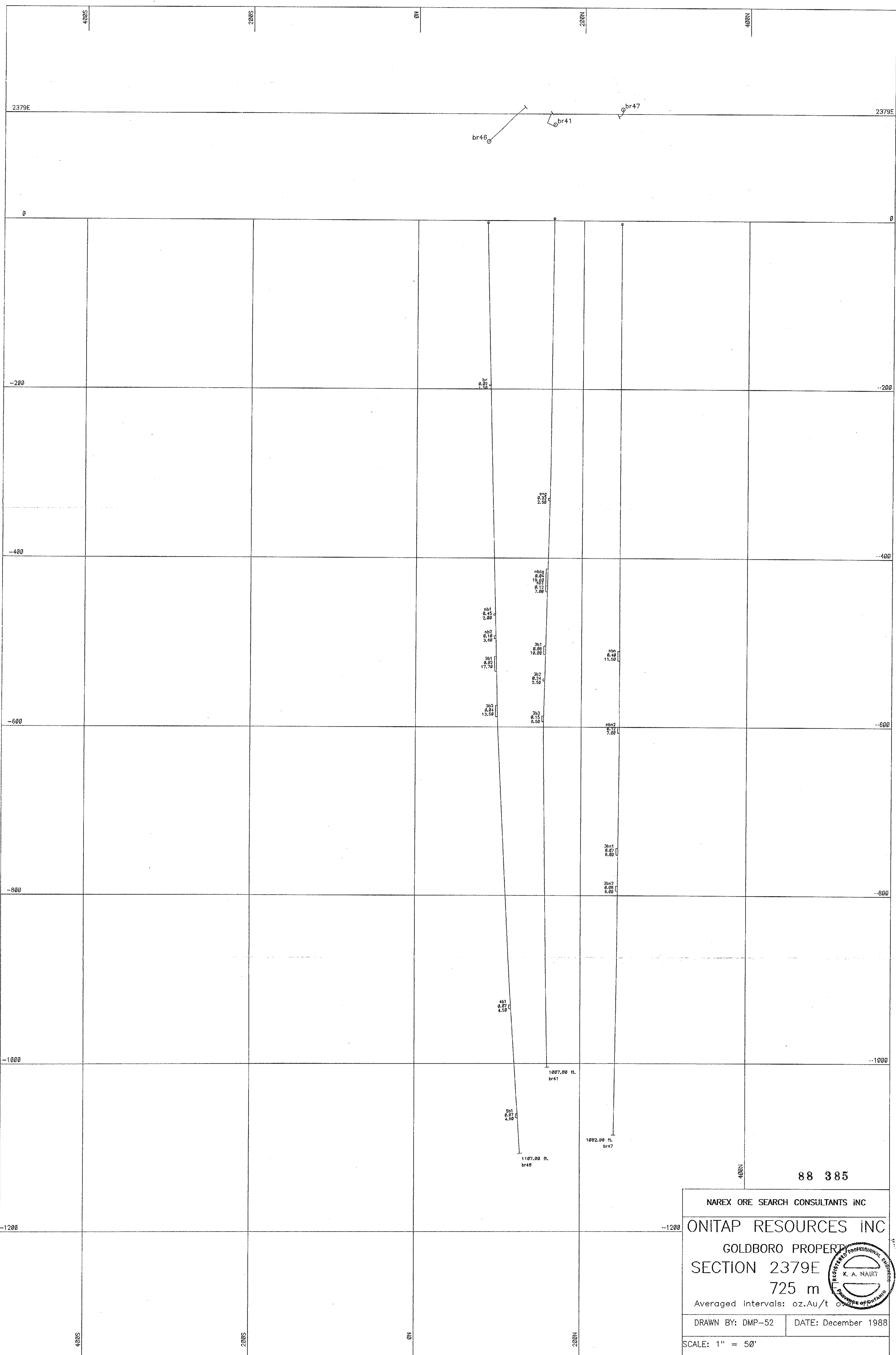


88 385

NAREX ORE SEARCH CONSULTANTS INC	
ONITAP RESOURCES INC	
GOLDBORO PROPERTY	
SECTION 2625E	
800 m E	
Averaged Intervals: oz. Au/t over ft.	
DRAWN BY: DMP-52	DATE: December 1988
SCALE: 1" = 50'	







88 385

NAREX ORE SEARCH CONSULTANTS INC

**ONITAP RESOURCES INC**

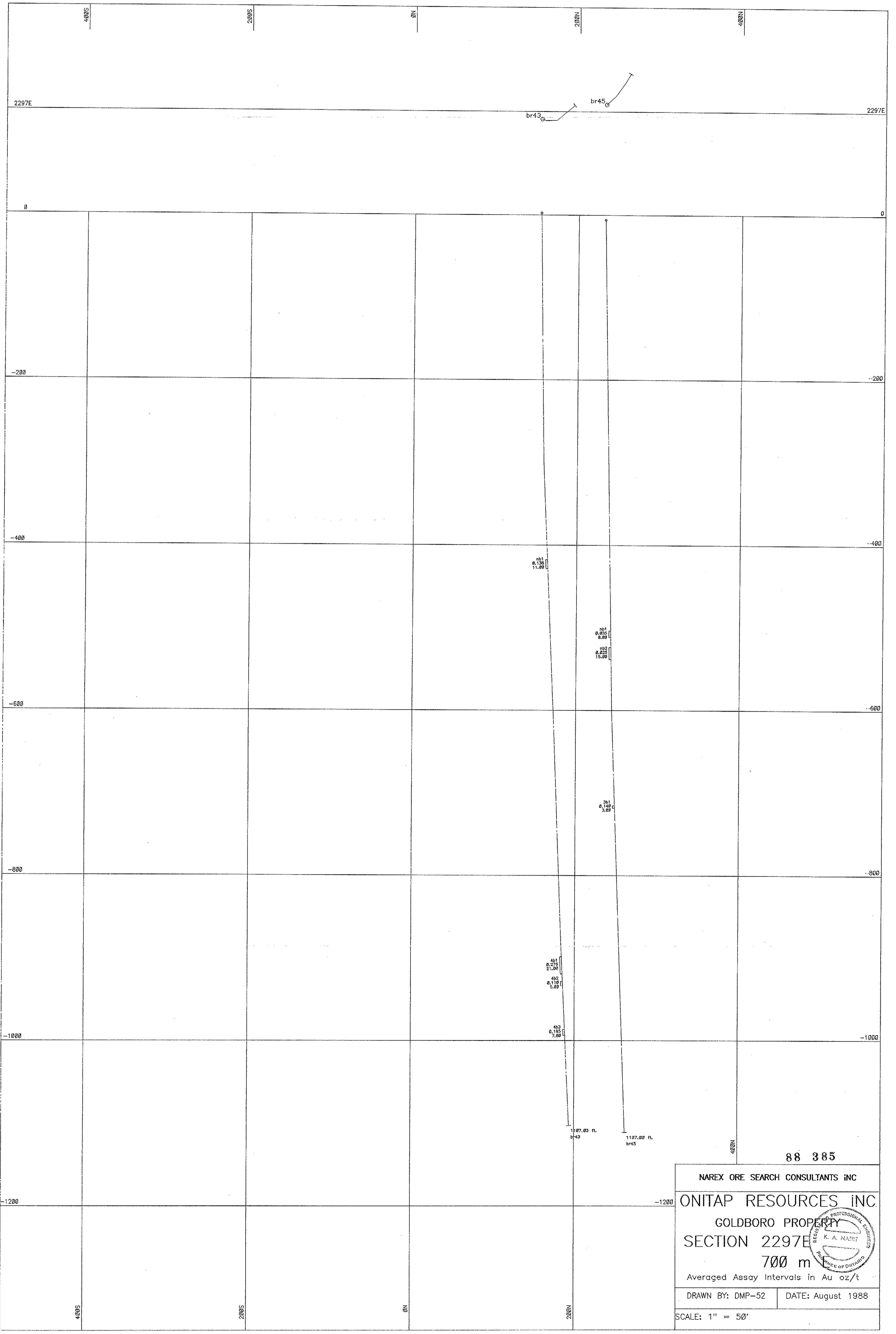
GOLDBORO PROPERTY  
SECTION 2379E  
725 m

Averaged Intervals: oz.Au/t

DRAWN BY: DMP-52	DATE: December 1988
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SCALE: 1" = 50'





88 385

NAREX ORE SEARCH CONSULTANTS INC

**ONITAP RESOURCES INC**

GOLDBORO PROPERTY

SECTION 2297E

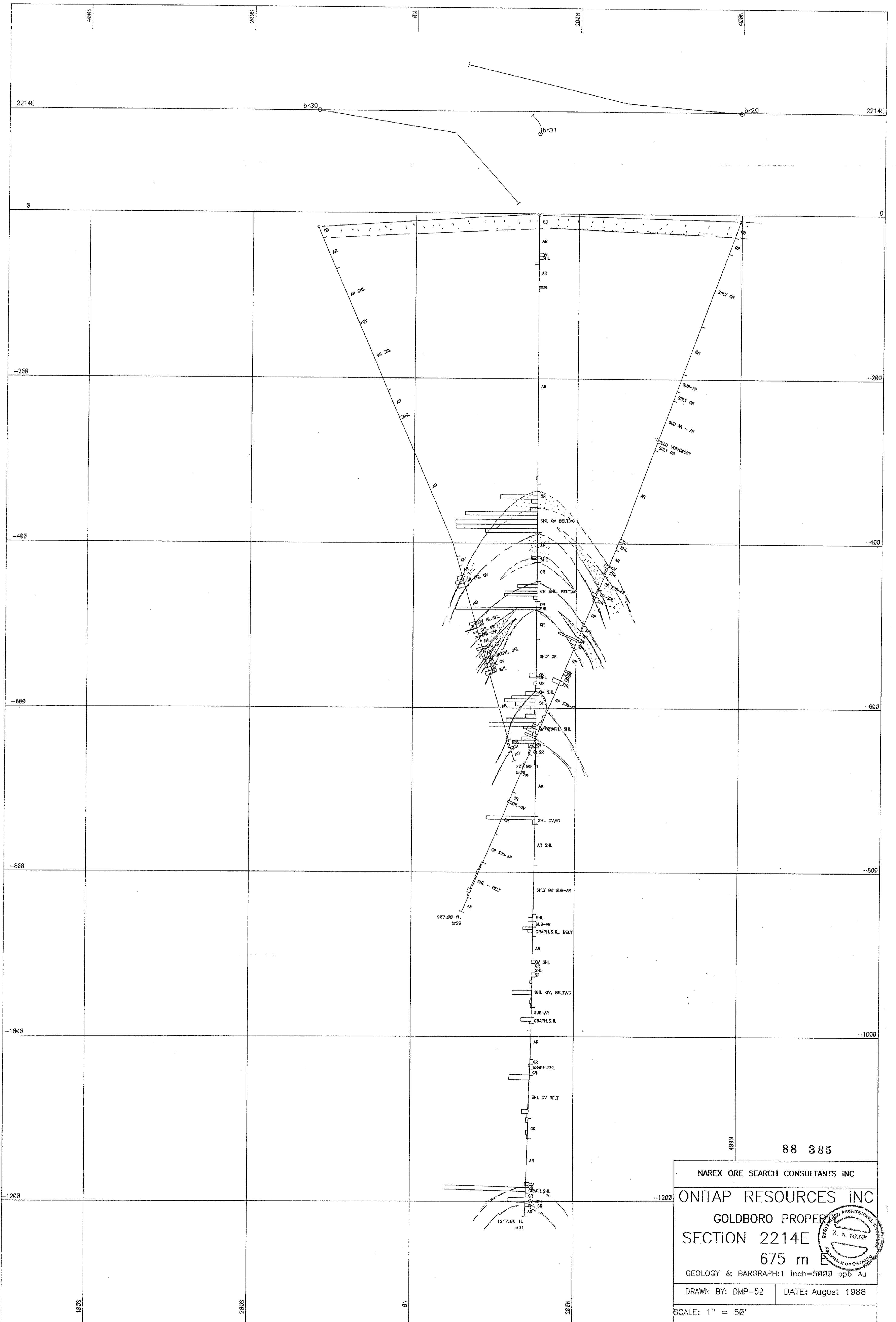
700 m

Averaged Assay Intervals in Au oz/t

DRAWN BY: DMP-52	DATE: August 1988
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SCALE: 1" = 50'

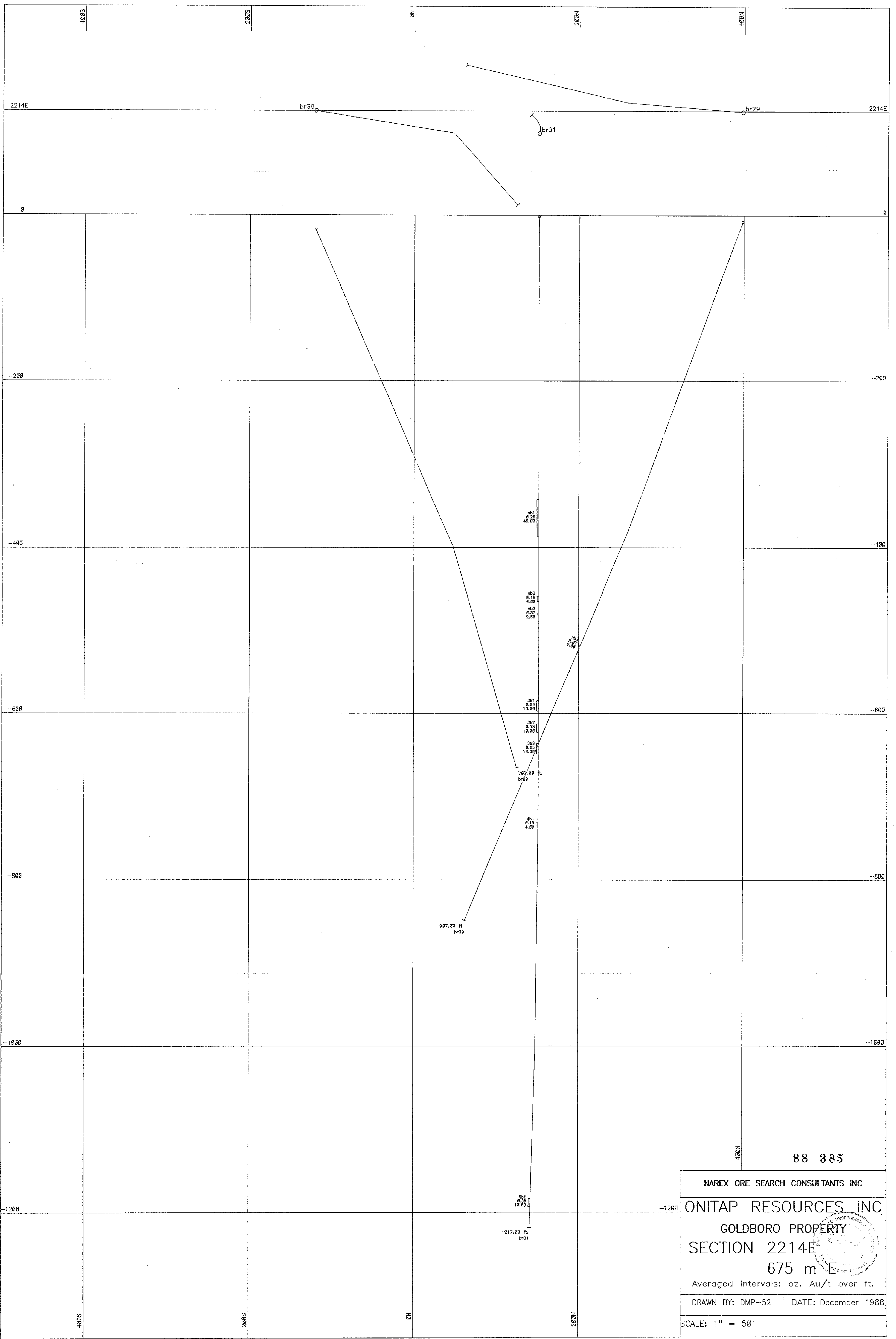




88 385

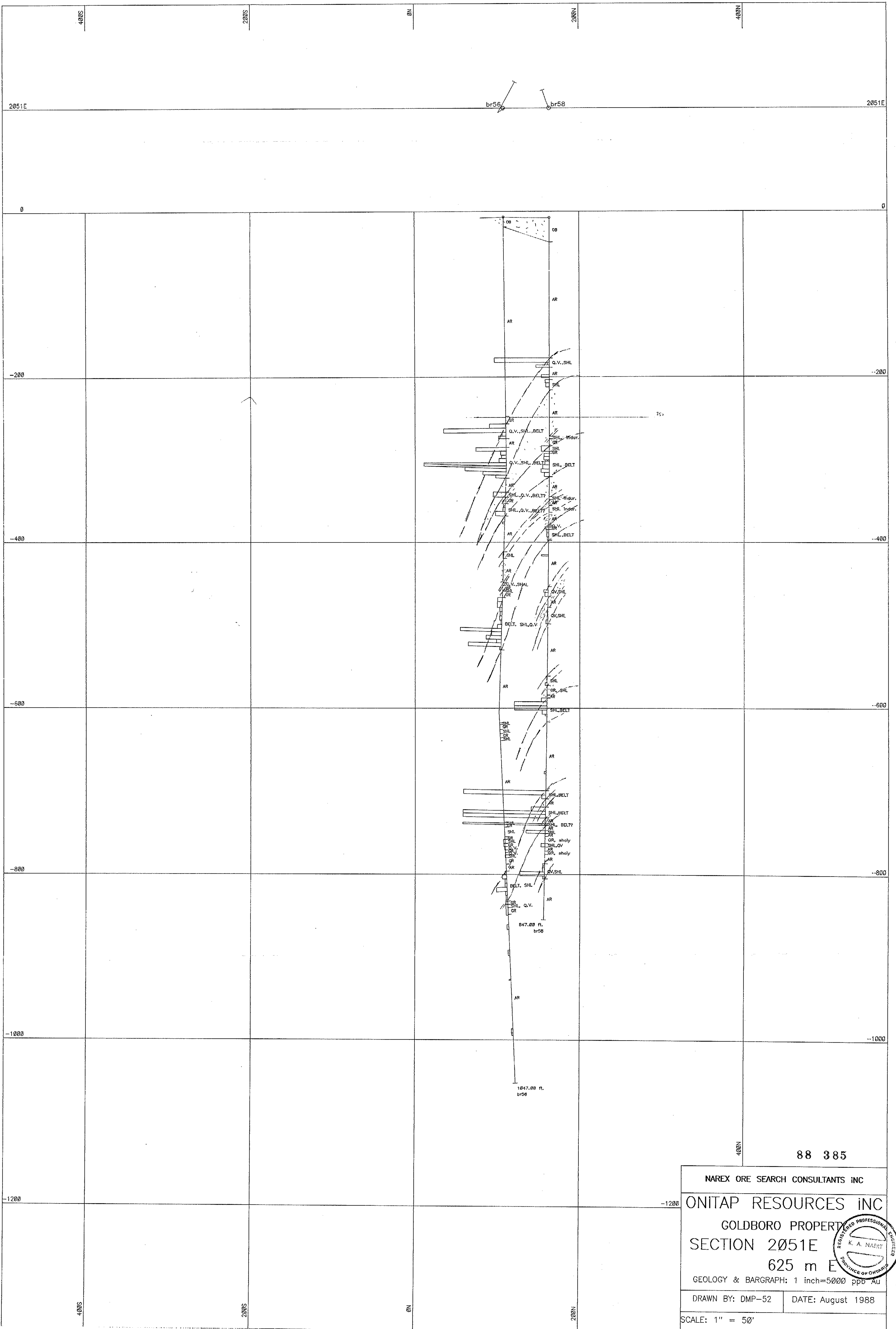
NAREX ORE SEARCH CONSULTANTS INC	
ONITAP RESOURCES INC	
GOLDBORO PROPERTY	
SECTION 2214E	
675 m	
GEOLOGY & BARGRAPH: 1 inch=5000 ppb Au	
DRAWN BY: DMP-52	DATE: August 1988
SCALE: 1" = 50'	





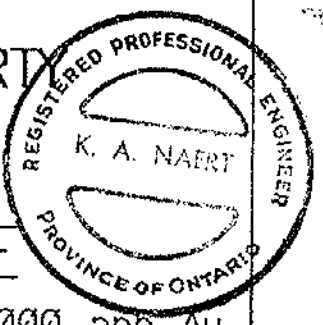
88 385

NAREX ORE SEARCH CONSULTANTS INC	
<b>ONITAP RESOURCES INC</b>	
GOLDBORO PROPERTY	
SECTION 2214E	
675 m E	
Averaged intervals: oz. Au/t over ft.	
DRAWN BY: DMP-52	DATE: December 1988
SCALE: 1" = 50'	

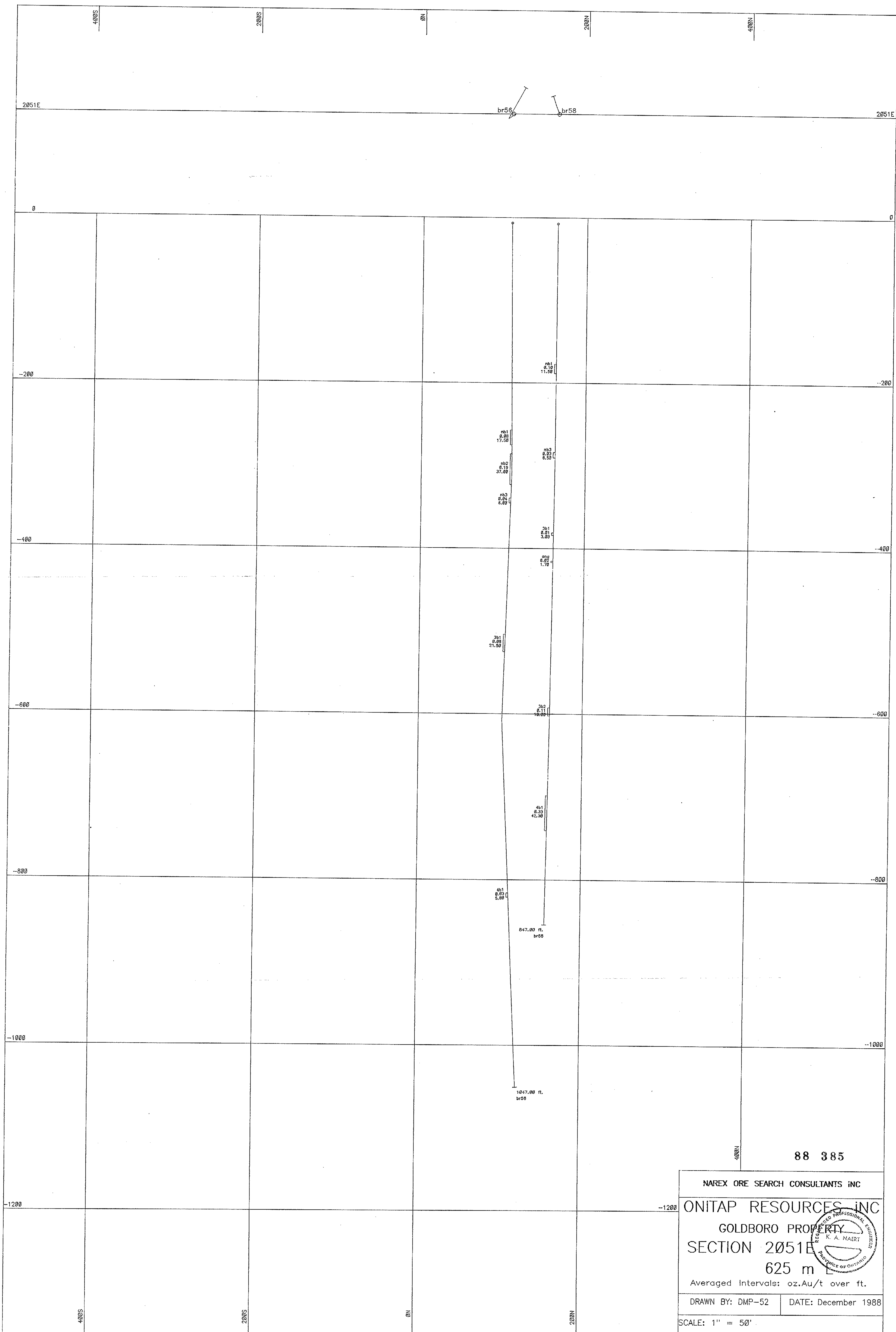


88 385

NAREX ORE SEARCH CONSULTANTS INC	
ONITAP RESOURCES INC	
GOLDBORO PROPERTY	
SECTION 2051E	
625 m E	
GEOLOGY & BARGRAPH: 1 inch=5000 ppb Au	
DRAWN BY: DMP-52	DATE: August 1988
SCALE: 1" = 50'	



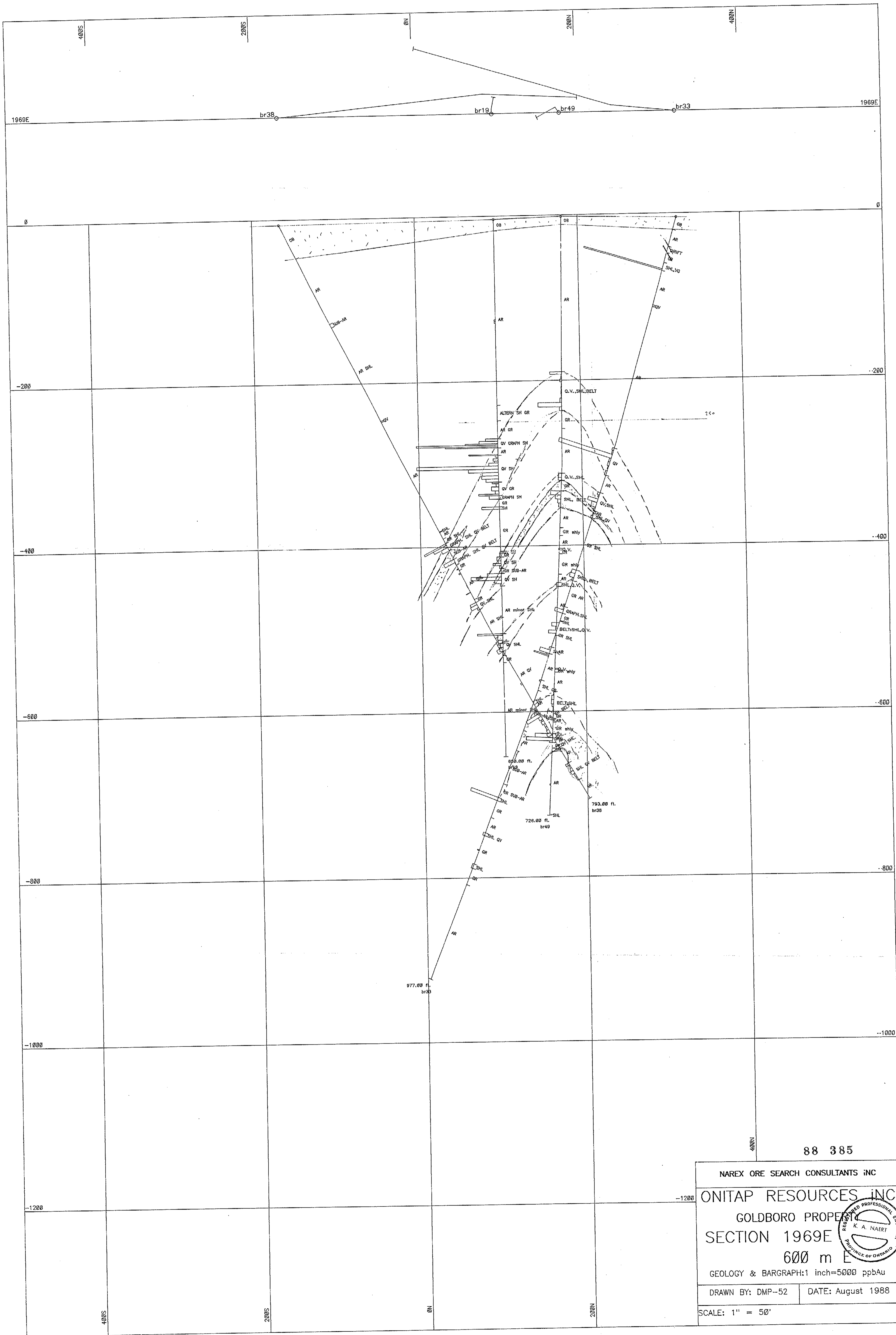




88 385

NAREX ORE SEARCH CONSULTANTS INC	
ONITAP RESOURCES INC	
GOLDBORO PROPERTY	
SECTION 2051E	
625 m	
Averaged Intervals: oz.Au/t over ft.	
DRAWN BY: DMP-52	DATE: December 1988
SCALE: 1" = 50'	

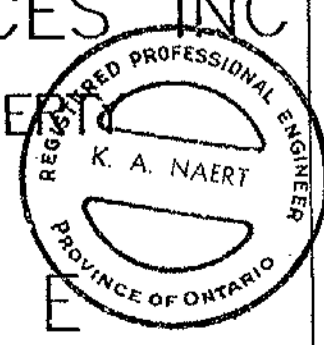




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NAREX ORE SEARCH CONSULTANTS INC

ONITAP RESOURCES INC  
 GOLDBORO PROPERTY  
 SECTION 1969E  
 600 m E

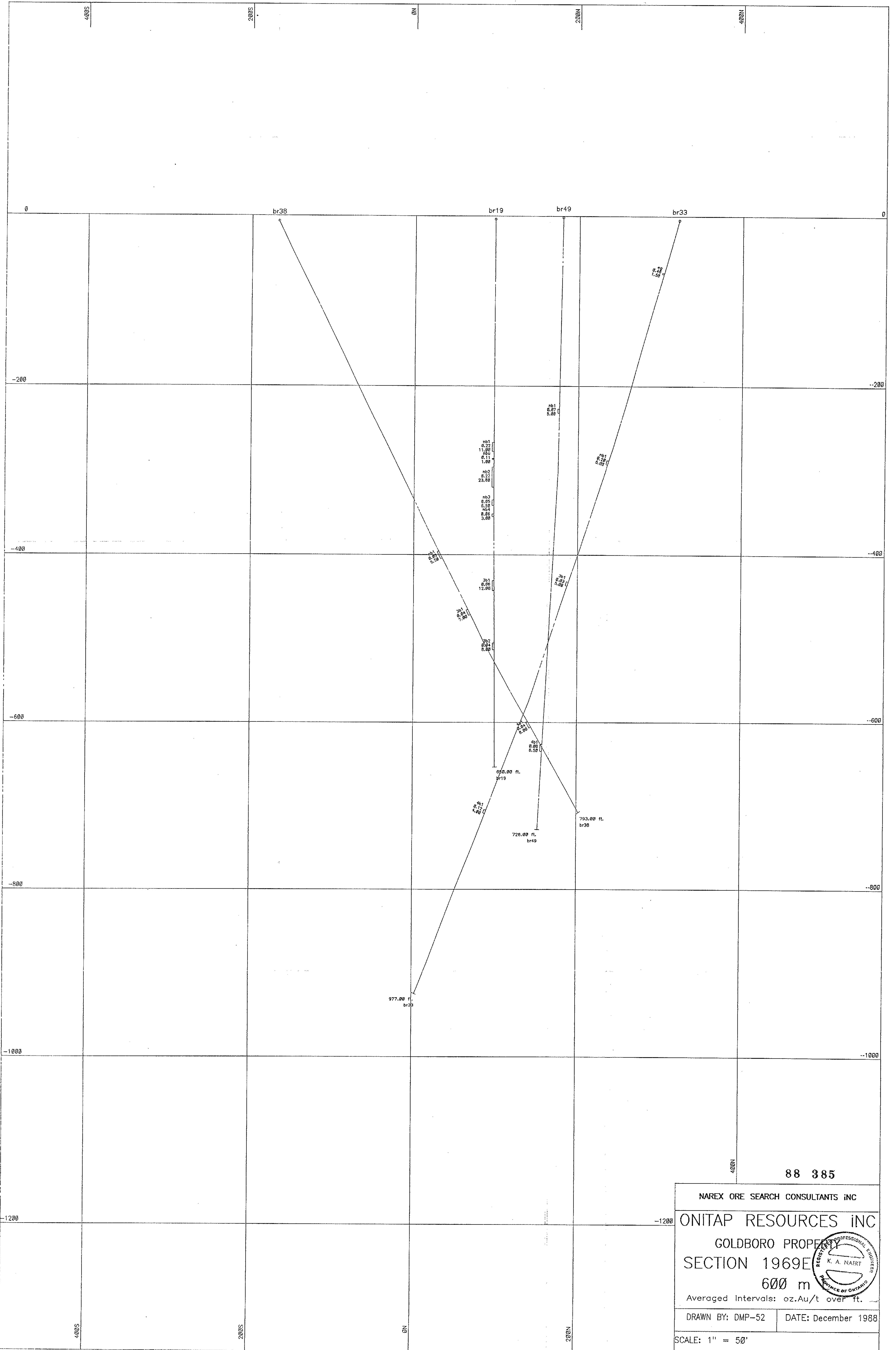


GEOLOGY & BARGRAPH: 1 inch = 5000 ppbAu

DRAWN BY: DMP-52

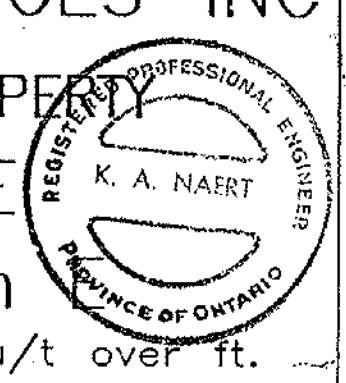
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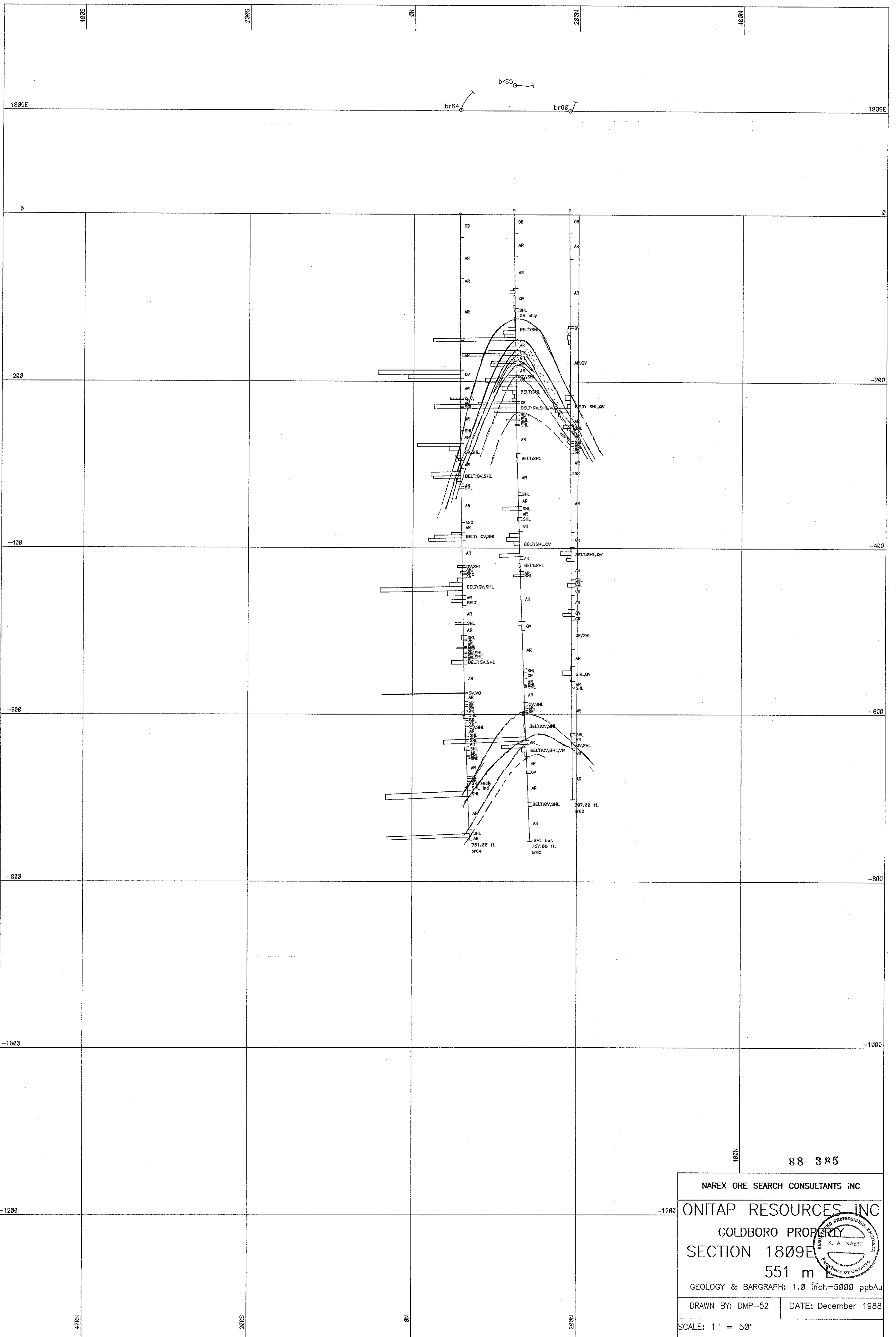
SCALE: 1" = 50'



88 385

NAREX ORE SEARCH CONSULTANTS INC	
ONITAP RESOURCES INC	
GOLDBORO PROPERTY	
SECTION 1969E	
600 m	
Averaged Intervals: oz. Au/t over ft.	
DRAWN BY: DMP-52	DATE: December 1988
SCALE: 1" = 50'	





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NAREX ORE SEARCH CONSULTANTS INC

**ONITAP RESOURCES INC**

GOLDBORO PROPERTY

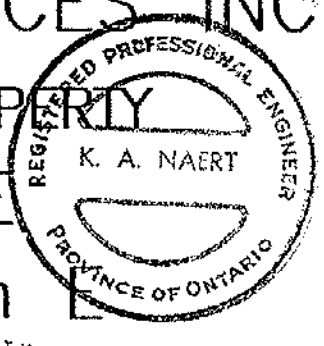
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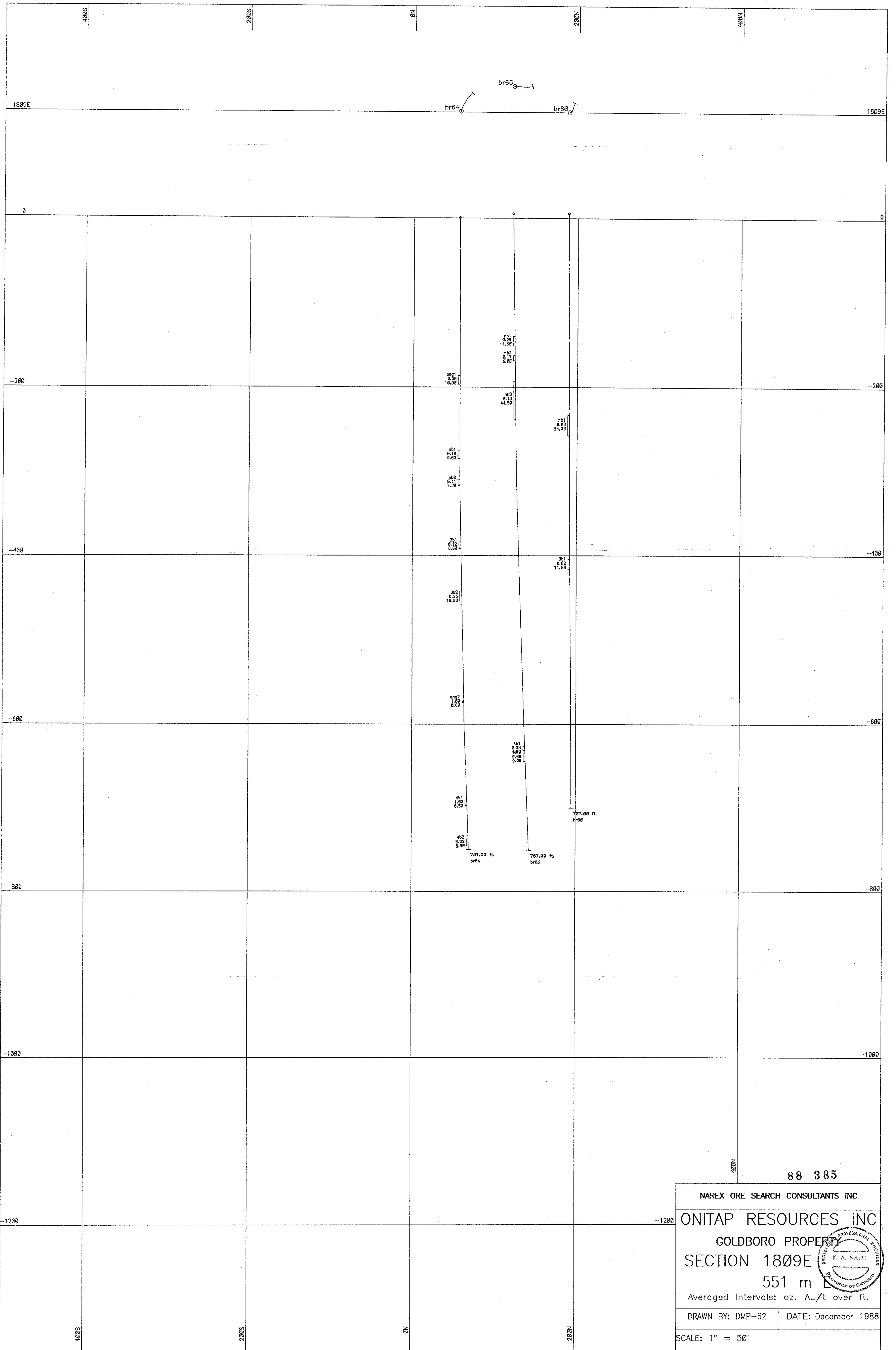
551 m

GEOLOGY & BARGRAPH: 1.0 inch=5000 ppbAu

DRAWN BY: DMP-52      DATE: December 1988

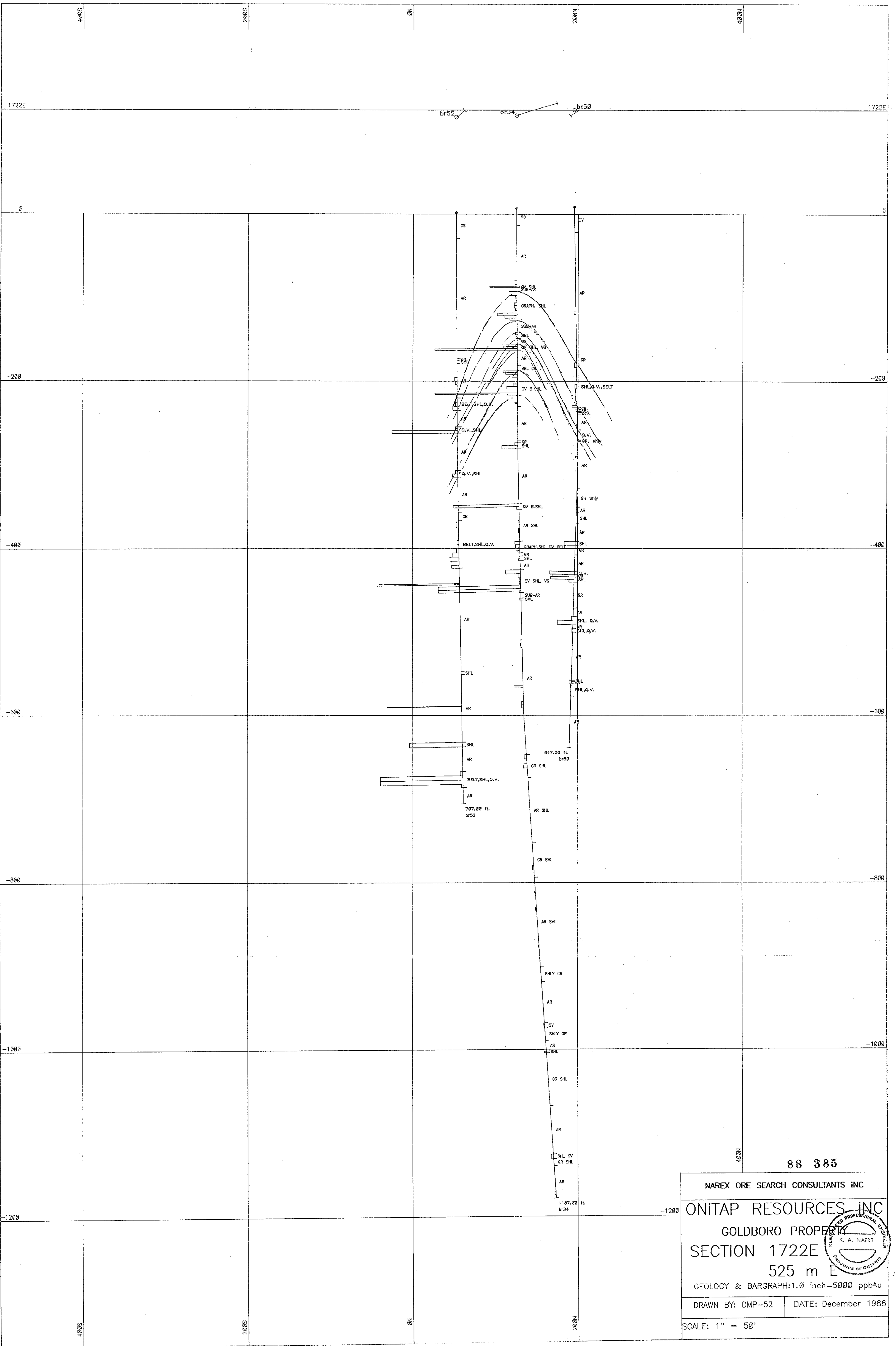
SCALE: 1" = 50'





88 385

NAREX ORE SEARCH CONSULTANTS INC	
<b>ONITAP RESOURCES INC</b>	
GOLDBORO PROPERTY	
SECTION 1809E	
551 m	
Averaged Intervals: oz. Au/t over ft.	
DRAWN BY: DMP-52	DATE: December 1988
SCALE: 1" = 50'	



88 385

NAREX ORE SEARCH CONSULTANTS INC

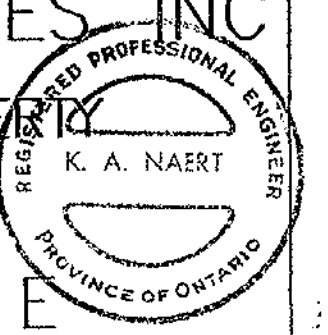
ONITAP RESOURCES INC  
 GOLDBORO PROPERTY  
 SECTION 1722E  
 525 m E

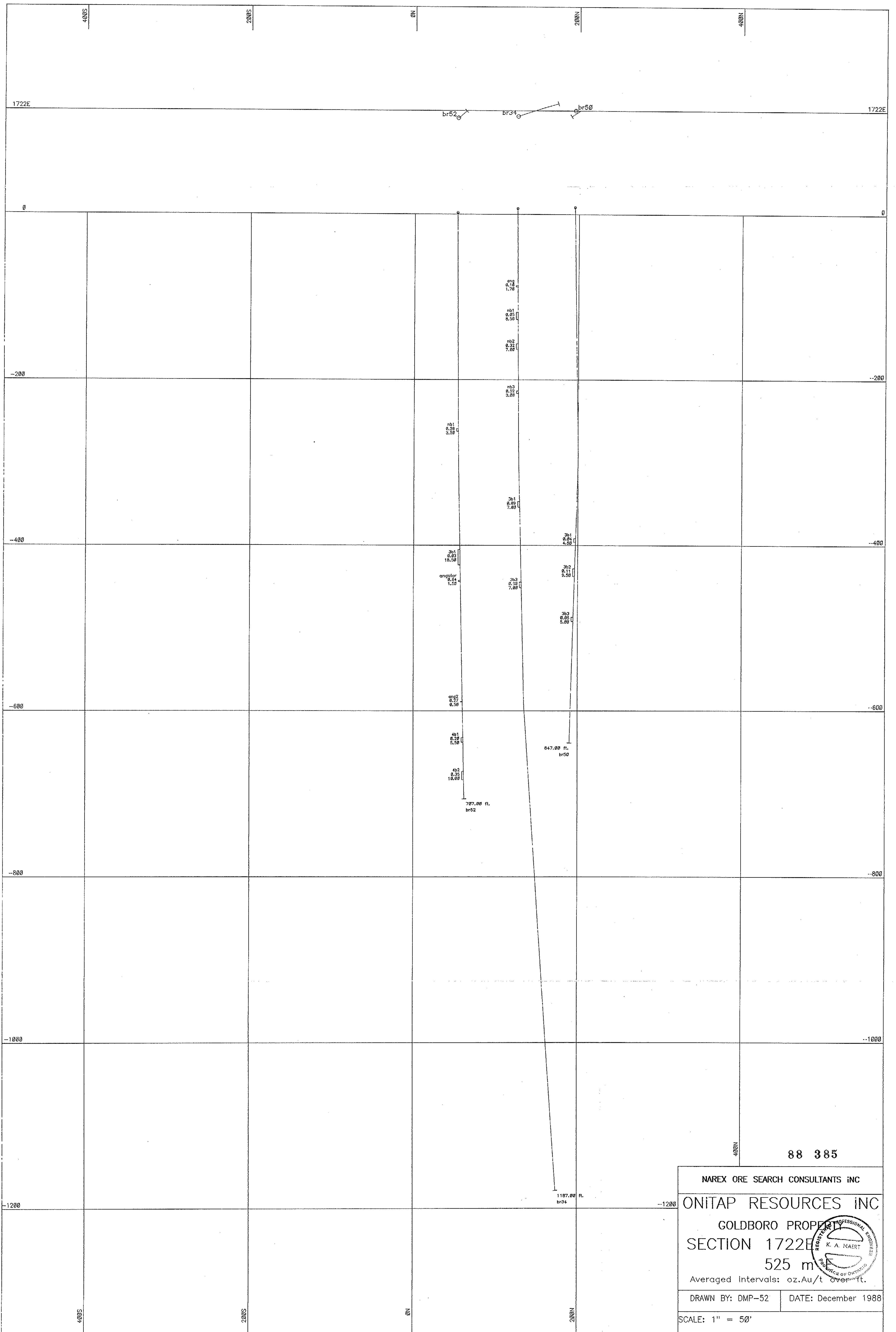
GEOLOGY & BARGRAPH: 1.0 inch=5000 ppbAu

DRAWN BY: DMP-52

DATE: December 1988

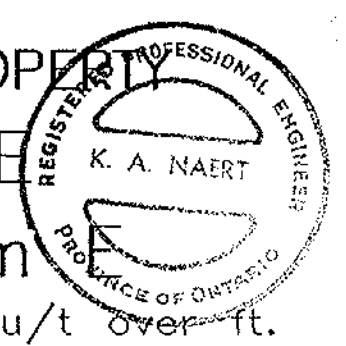
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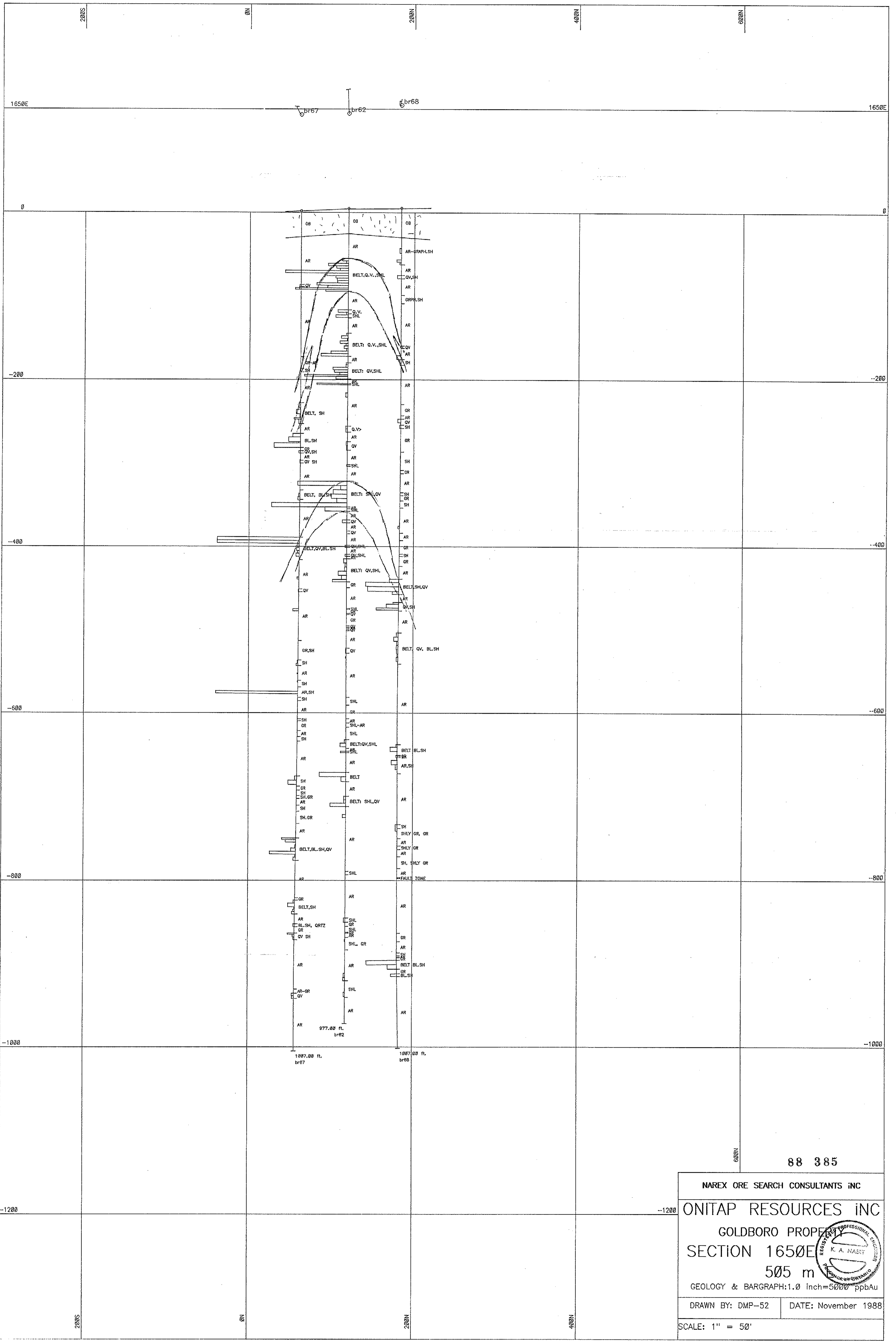




88 385

NAREX ORE SEARCH CONSULTANTS INC	
ONITAP RESOURCES INC	
GOLDBORO PROPERTY	
SECTION 1722E	
525 m	
Averaged Intervals: oz.Au/t over-ft.	
DRAWN BY: DMP-52	DATE: December 1988
SCALE: 1" = 50'	





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NAREX ORE SEARCH CONSULTANTS INC

**ONITAP RESOURCES INC**

GOLDBORO PROPERTY

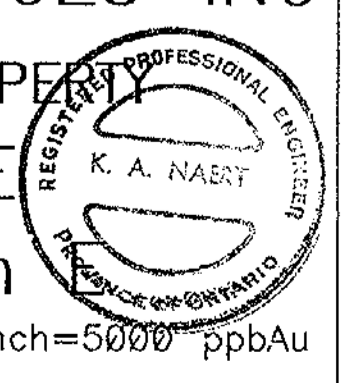
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505 m

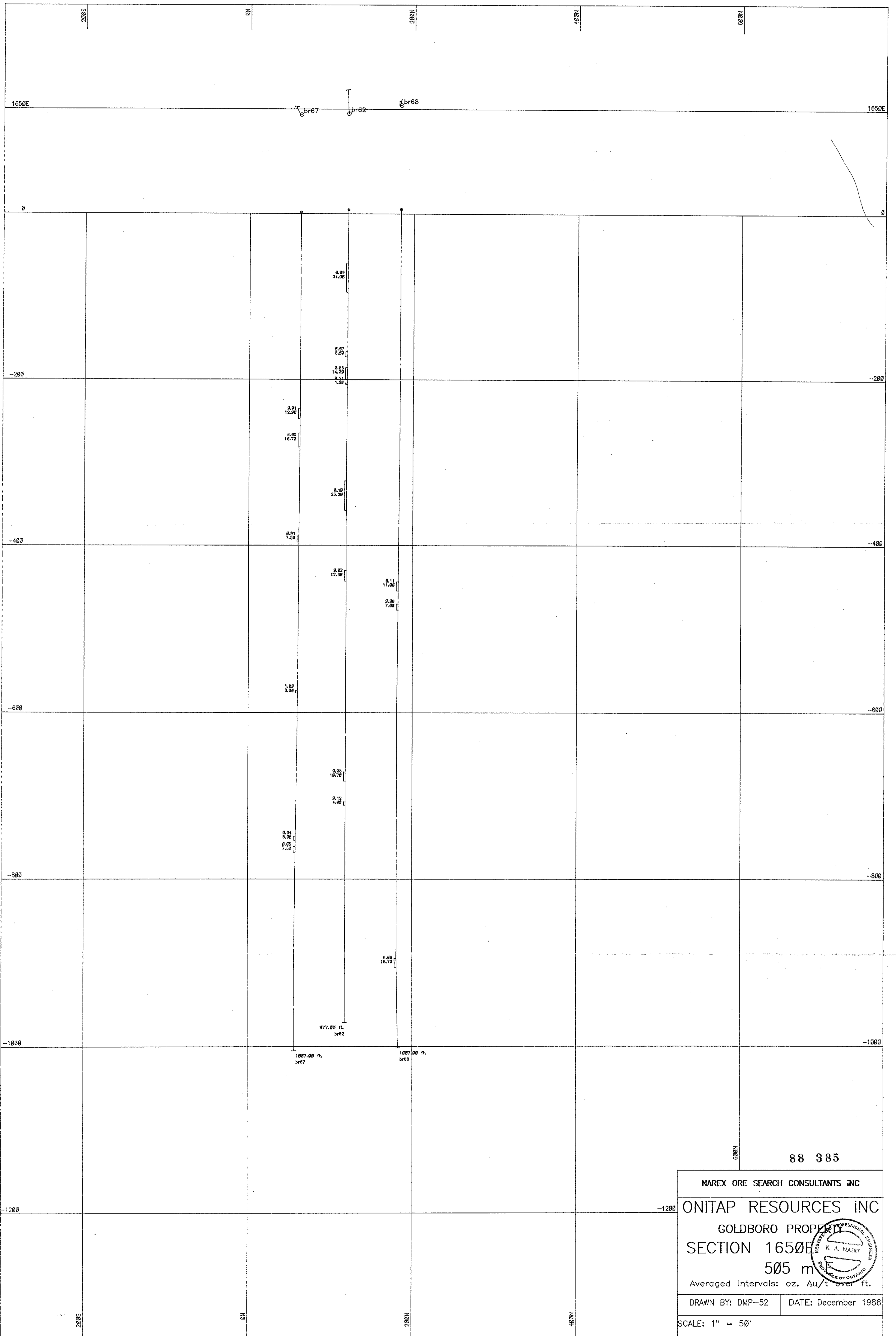
GEOLOGY & BARGRAPH: 1.0 inch = 5000' ppbAu

DRAWN BY: DMP-52      DATE: November 1988

SCALE: 1" = 50'

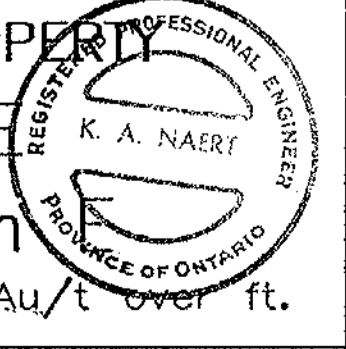


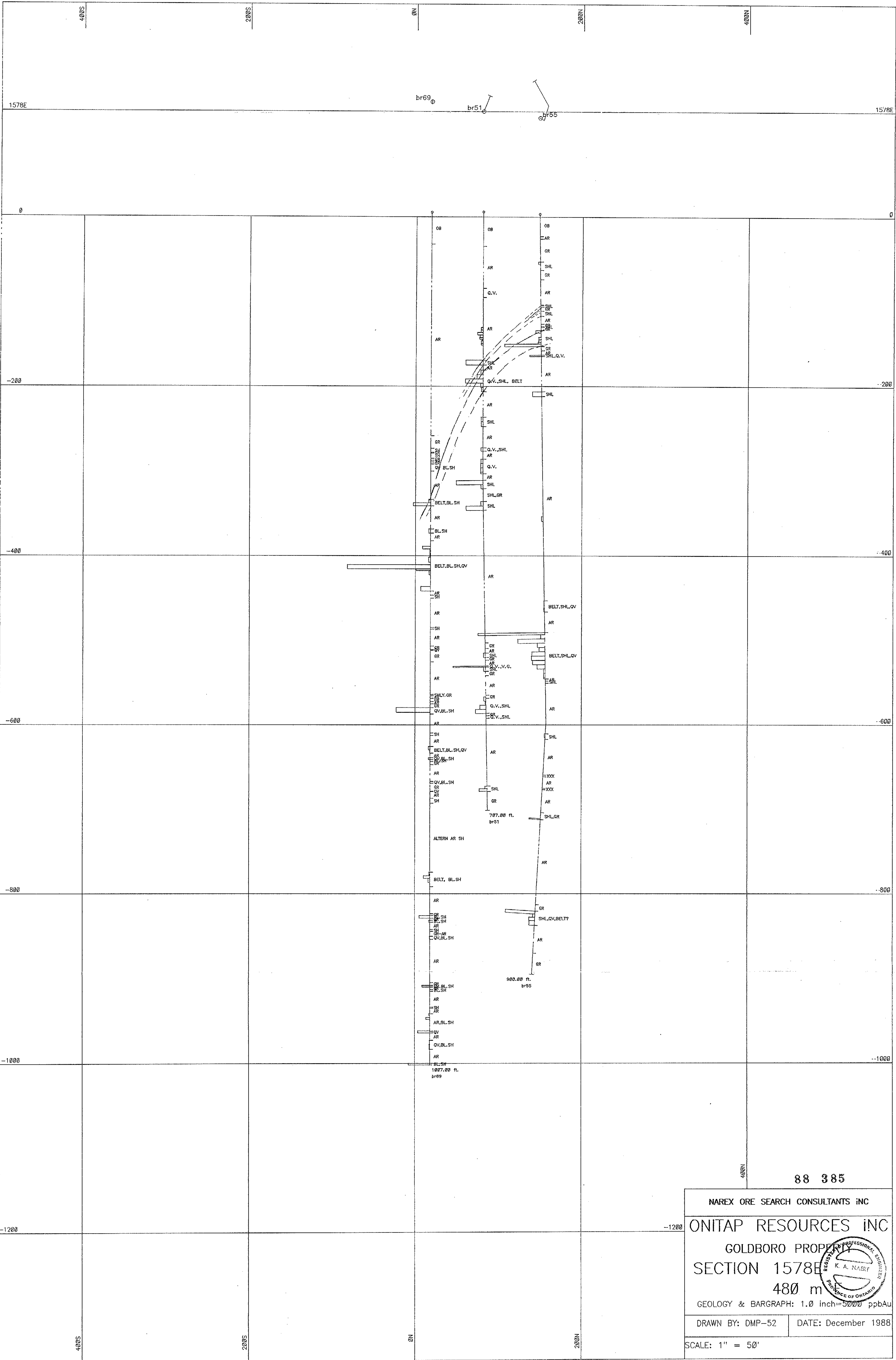




88 385

NAREX ORE SEARCH CONSULTANTS INC	
ONITAP RESOURCES INC	
GOLDBORO PROPERTY	
SECTION 1650E	
505 m	
Averaged Intervals: oz. Au/t over ft.	
DRAWN BY: DMP-52	DATE: December 1988
SCALE: 1" = 50'	





88 385

NAREX ORE SEARCH CONSULTANTS INC

ONITAP RESOURCES INC

GOLDBORO PROPERTY  
SECTION 1578E

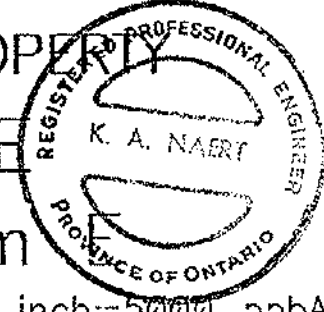
480 m

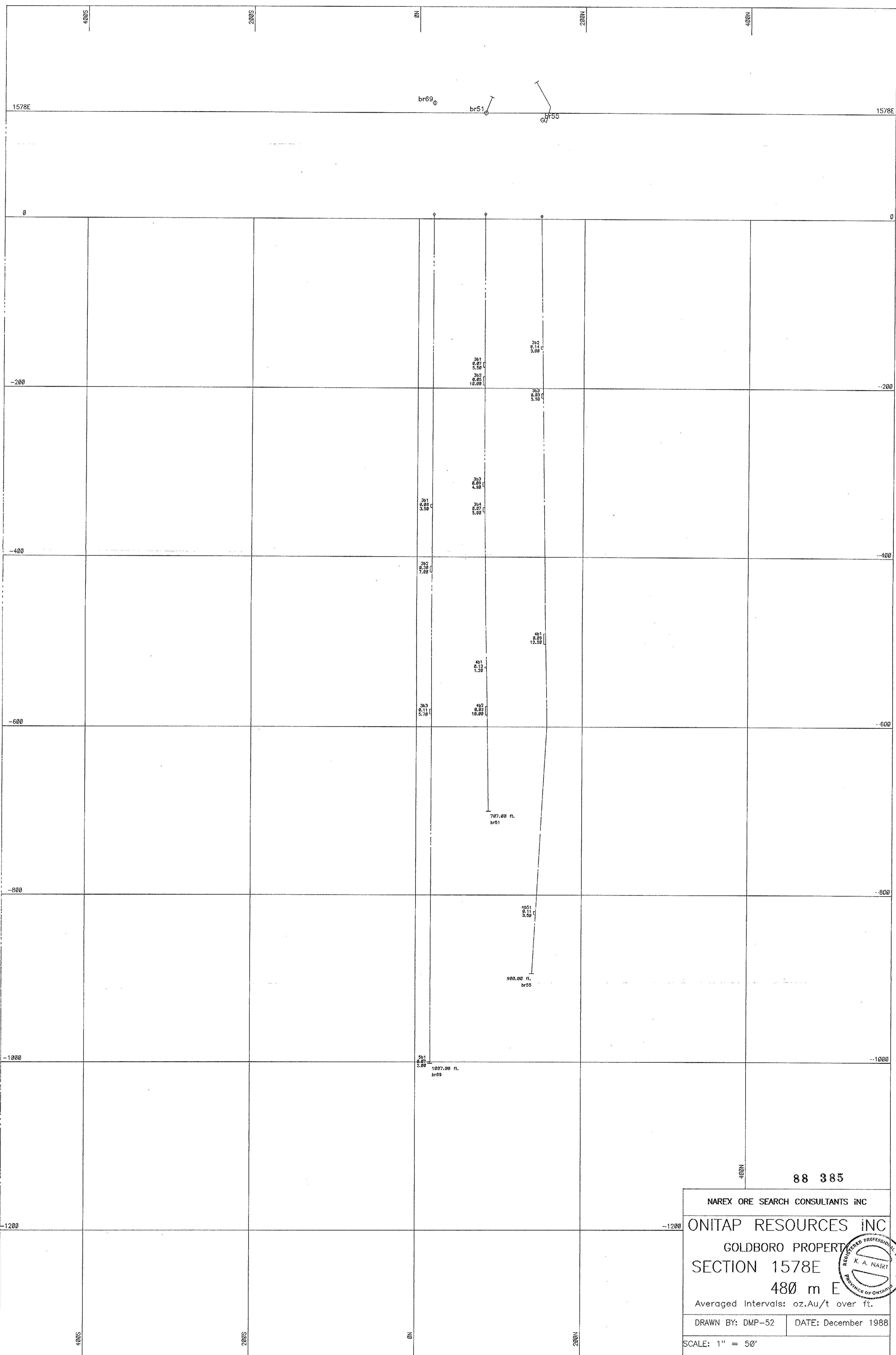
GEOLOGY & BARGRAPH: 1.0 inch = 5000 ppbAu

DRAWN BY: DMP-52

DATE: December 1988

SCALE: 1" = 50'





88 385

NAREX ORE SEARCH CONSULTANTS INC

**ONITAP RESOURCES INC**

GOLDBORO PROPERTY

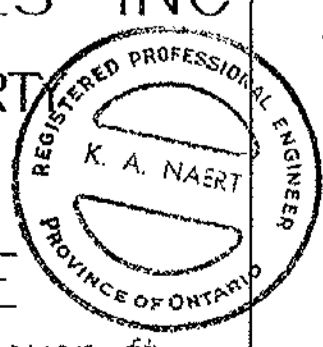
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480 m E

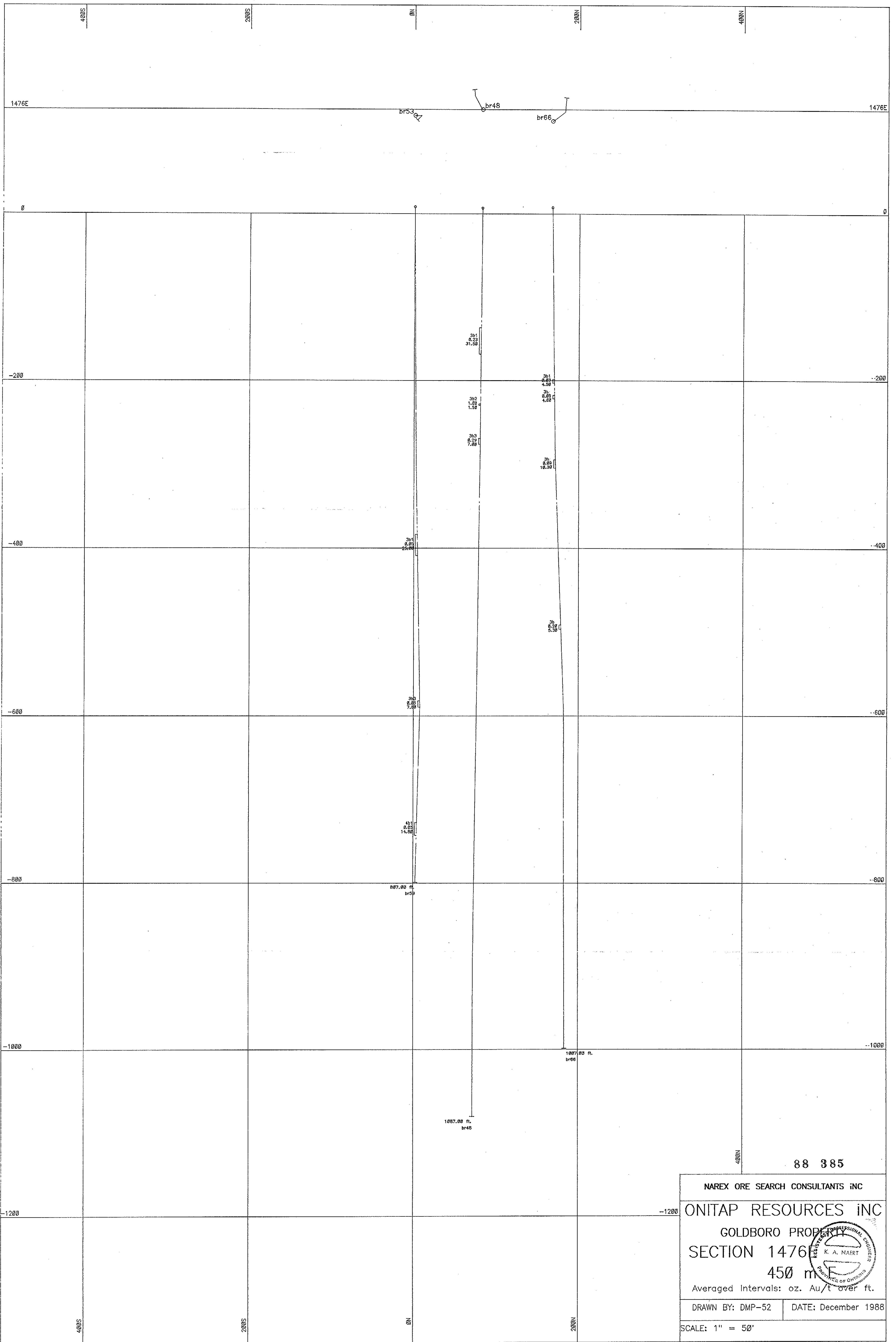
Averaged Intervals: oz.Au/t over ft.

DRAWN BY: DMP-52	DATE: December 1988
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SCALE: 1" = 50'







88 385

NAREX ORE SEARCH CONSULTANTS INC

ONITAP RESOURCES INC

GOLDBORO PROJECT  
SECTION 1476

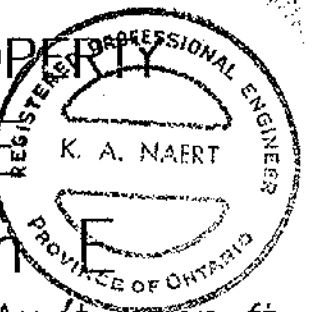
450 m

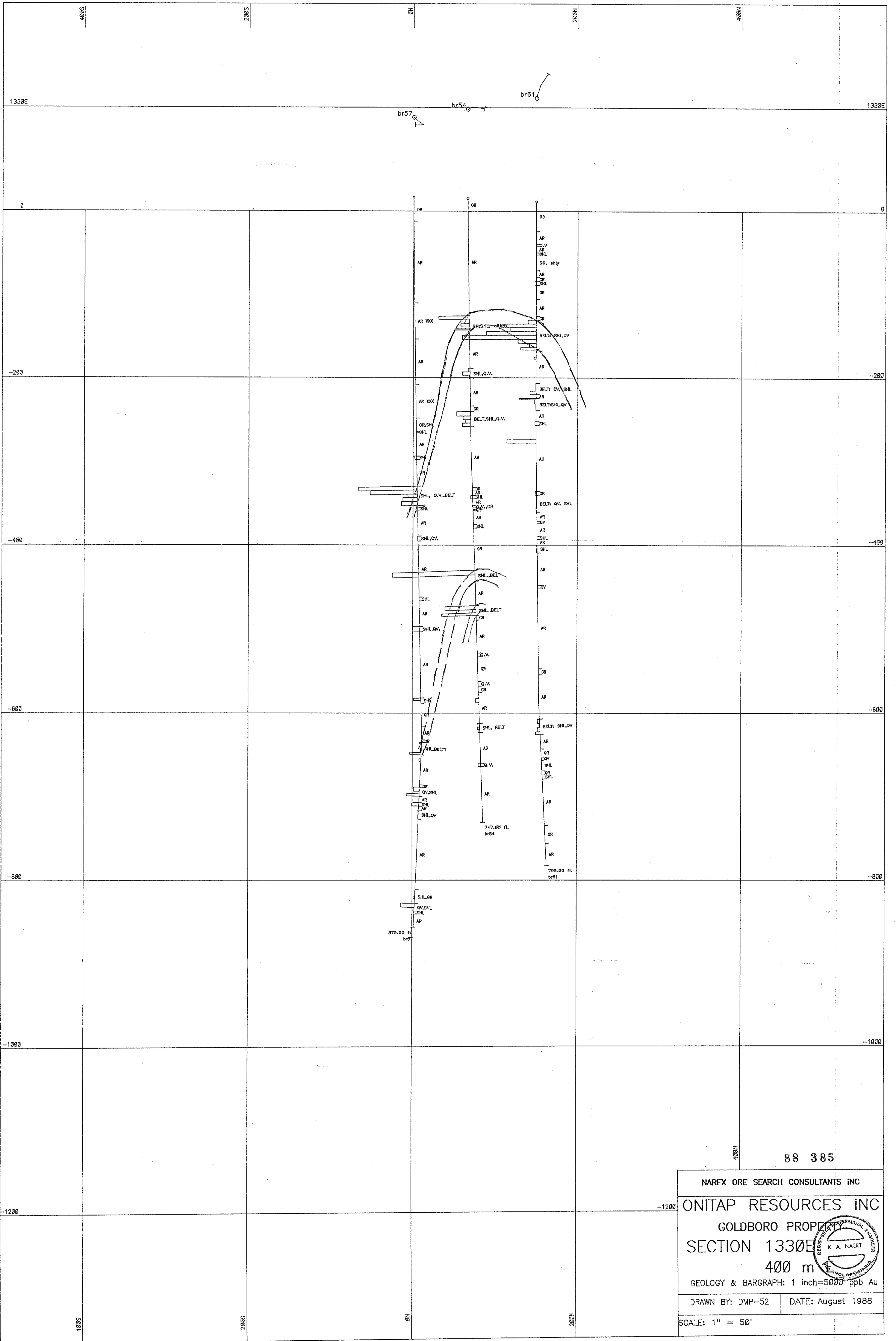
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DRAWN BY: DMP-52

DATE: December 1988

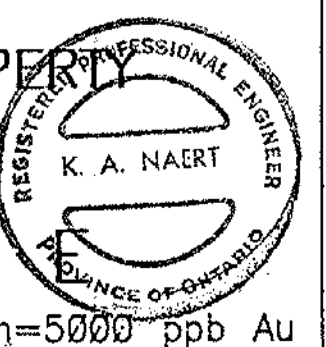
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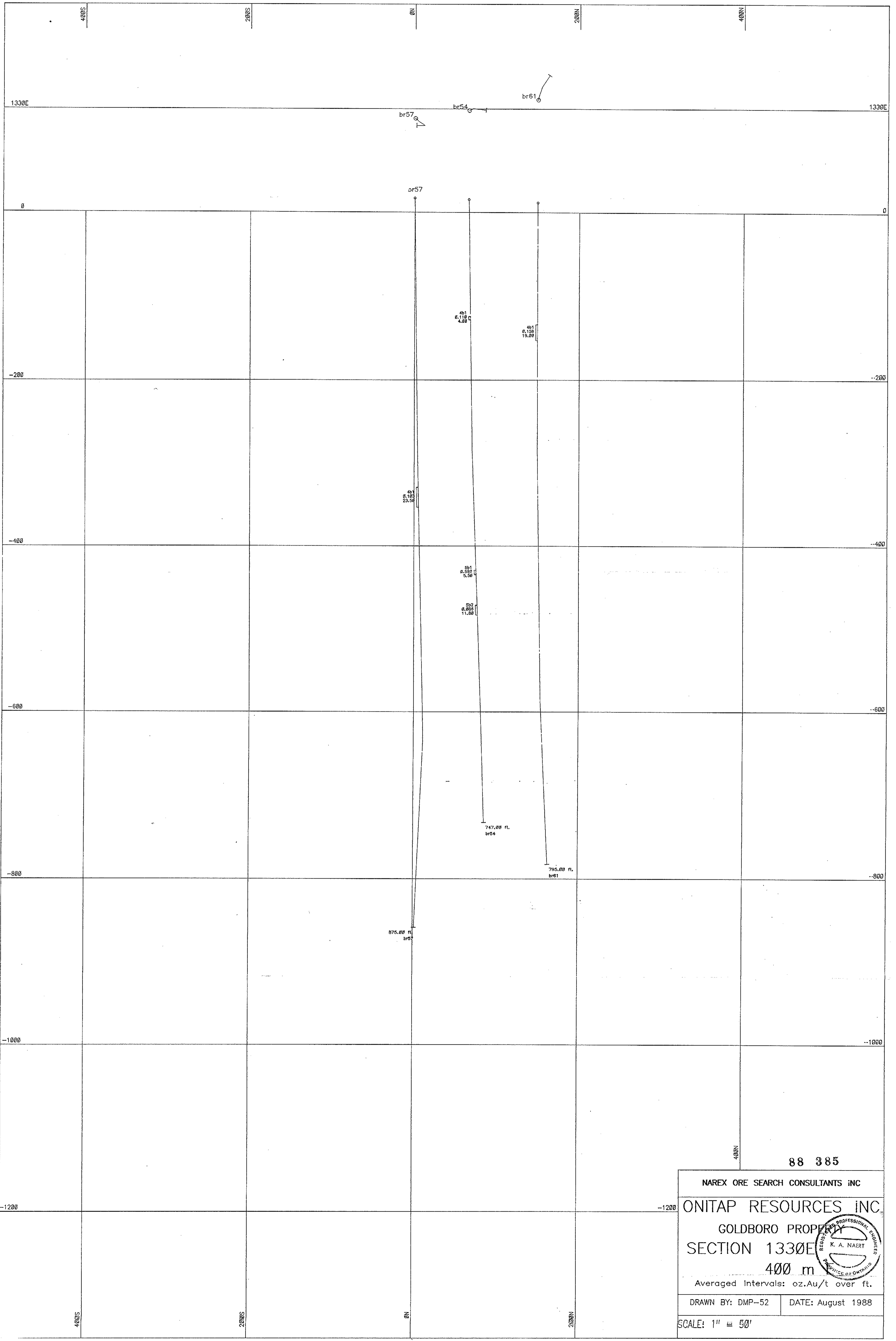




400N 88 385

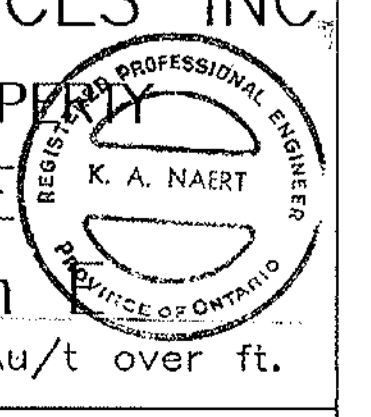
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ONITAP RESOURCES INC	
GOLDBORO PROPERTY	
SECTION 1330E	
400 m	
GEOLOGY & BARGRAPH: 1 inch=5000' ppb Au	
DRAWN BY: DMP-52	DATE: August 1988
SCALE: 1" = 50'	

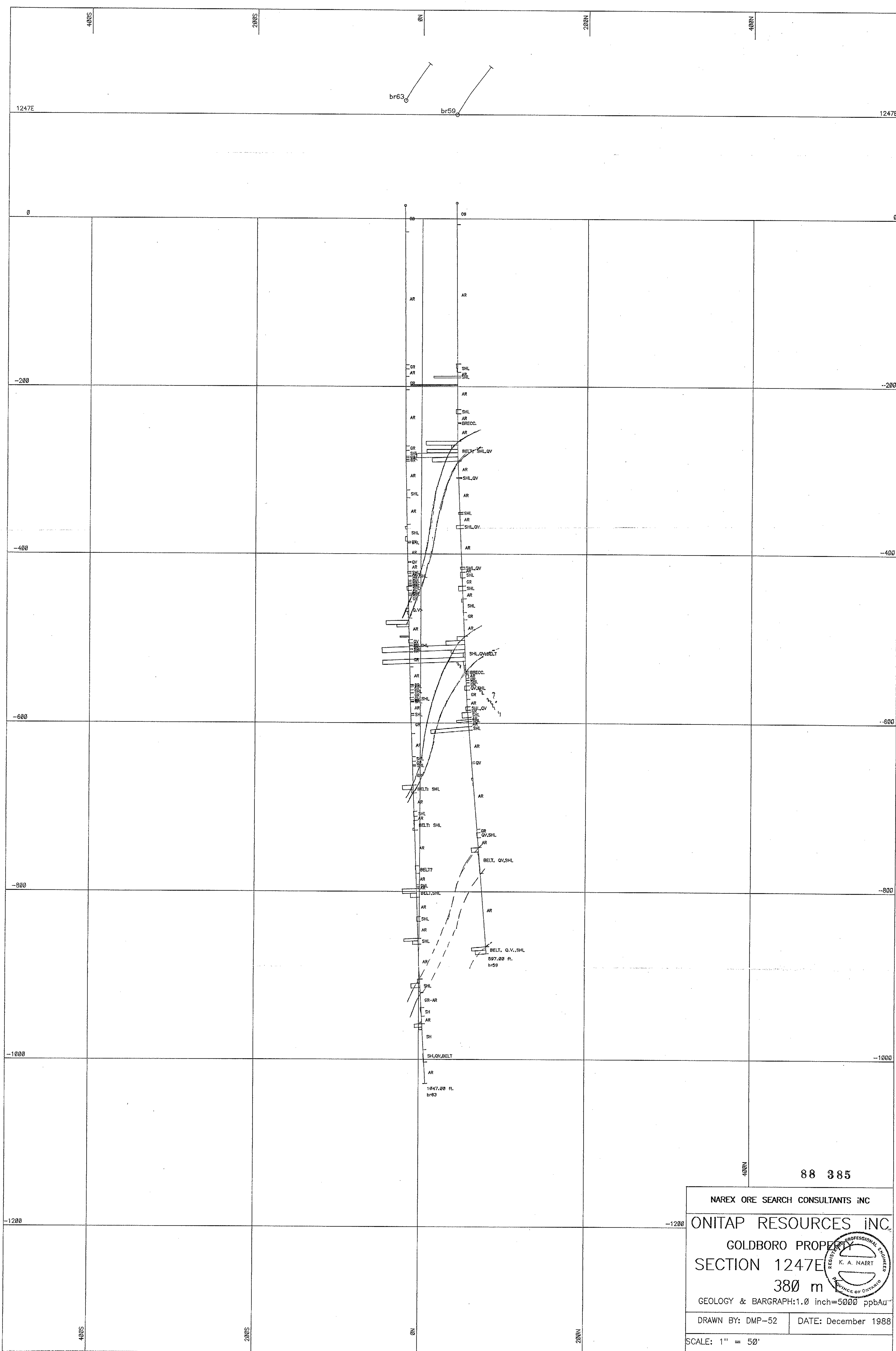




88 385

NAREX ORE SEARCH CONSULTANTS INC	
ONITAP RESOURCES INC.	
GOLDBORO PROPERTY	
SECTION 1330E	
400 m	
Averaged Intervals: oz.Au/t over ft.	
DRAWN BY: DMP-52	DATE: August 1988
SCALE: 1" = 50'	





88 385

NAREX ORE SEARCH CONSULTANTS INC

ONITAP RESOURCES INC

GOLDBORO PROPERTY

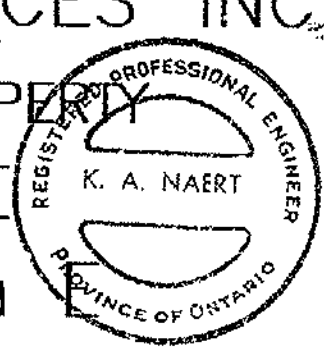
SECTION 1247E

380 m

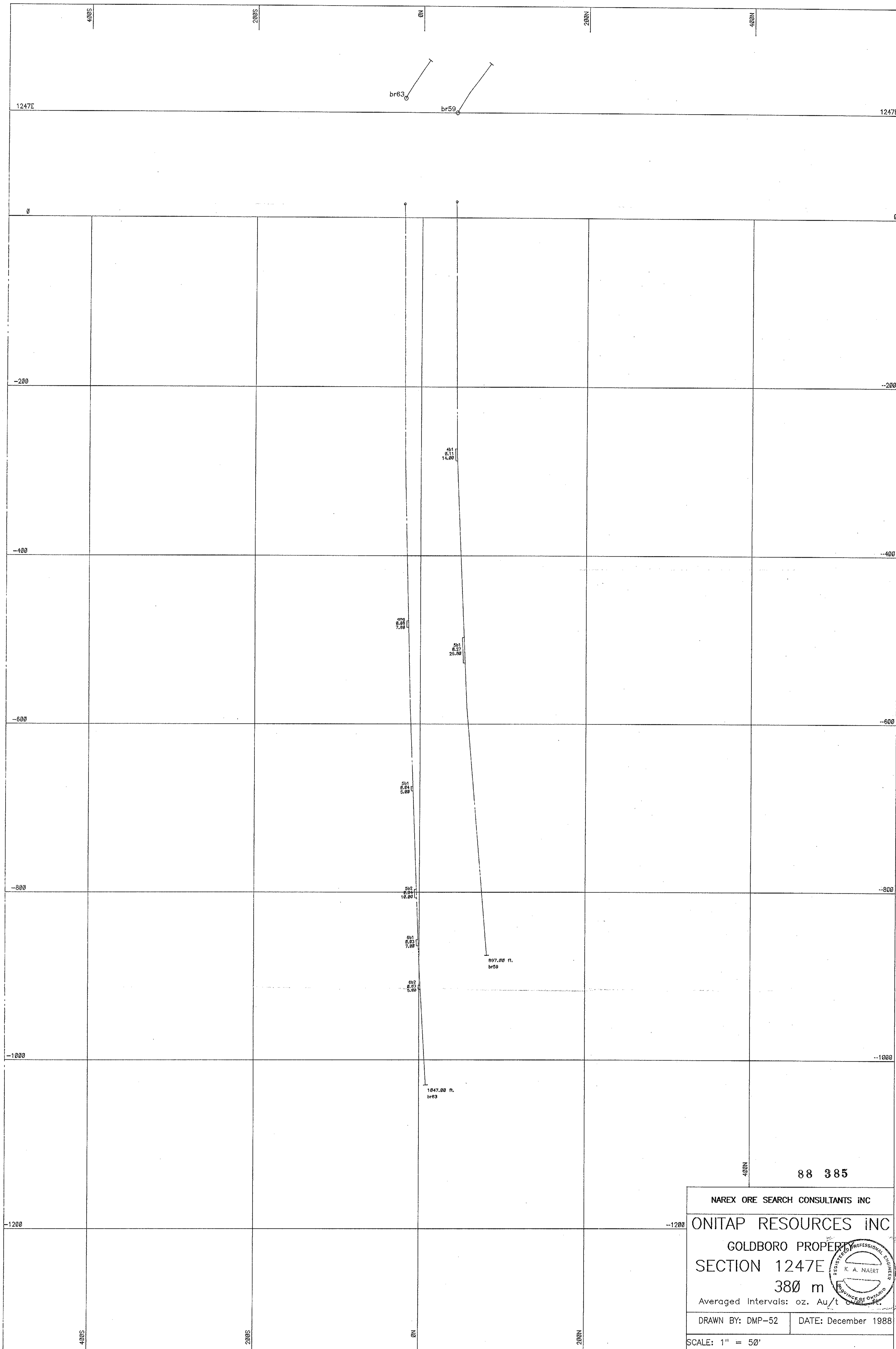
GEOLOGY & BARGRAPH: 1.0 inch=5000 ppbAu

DRAWN BY: DMP-52      DATE: December 1988

SCALE: 1" = 50'

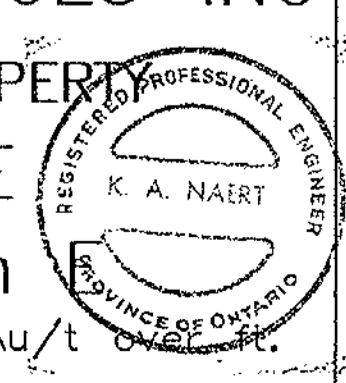


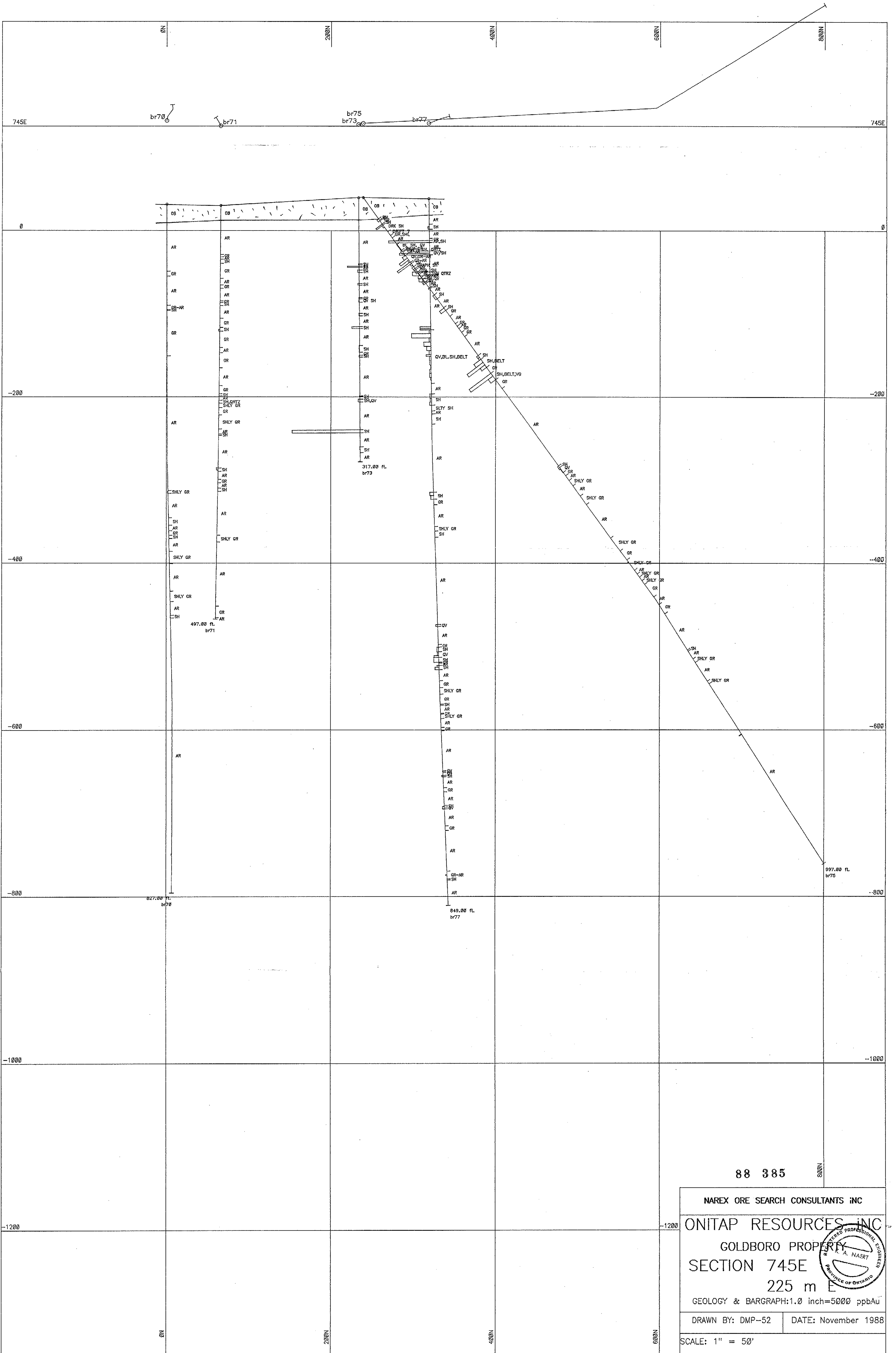




400N  
88 385

NAREX ORE SEARCH CONSULTANTS INC	
<b>ONITAP RESOURCES INC</b>	
GOLDBORO PROPERTY	
SECTION 1247E	
380 m	
Averaged Intervals: oz. Au/t	
DRAWN BY: DMP-52	DATE: December 1988
SCALE: 1" = 50'	





88 385

NAREX ORE SEARCH CONSULTANTS INC

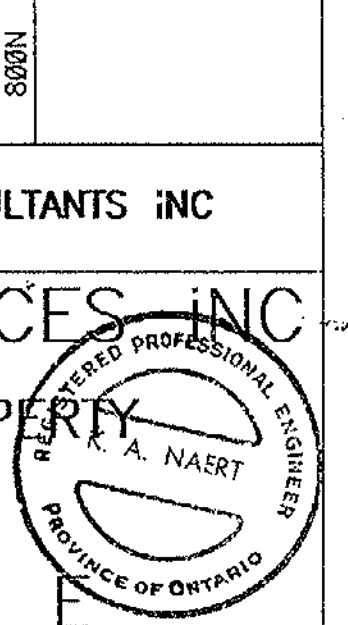
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 GOLDBORO PROPERTY  
 SECTION 745E  
 225 m E

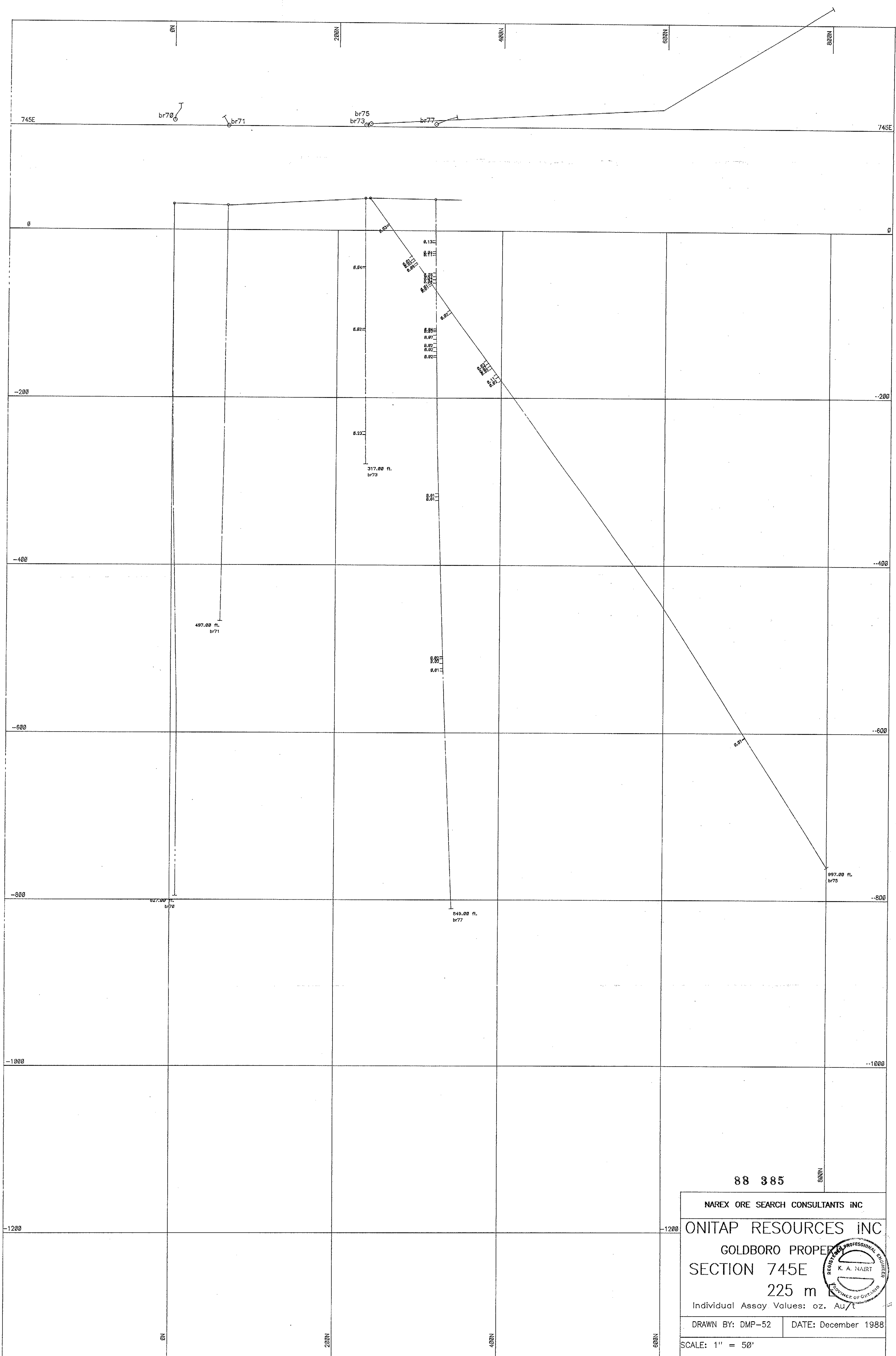
GEOLOGY & BARGRAPH: 1.0 inch = 50.00 ppbAu

DRAWN BY: DMP-52

DATE: November 1988

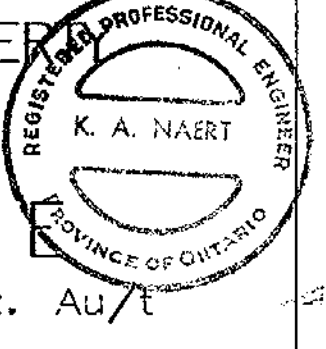
SCALE: 1" = 50'

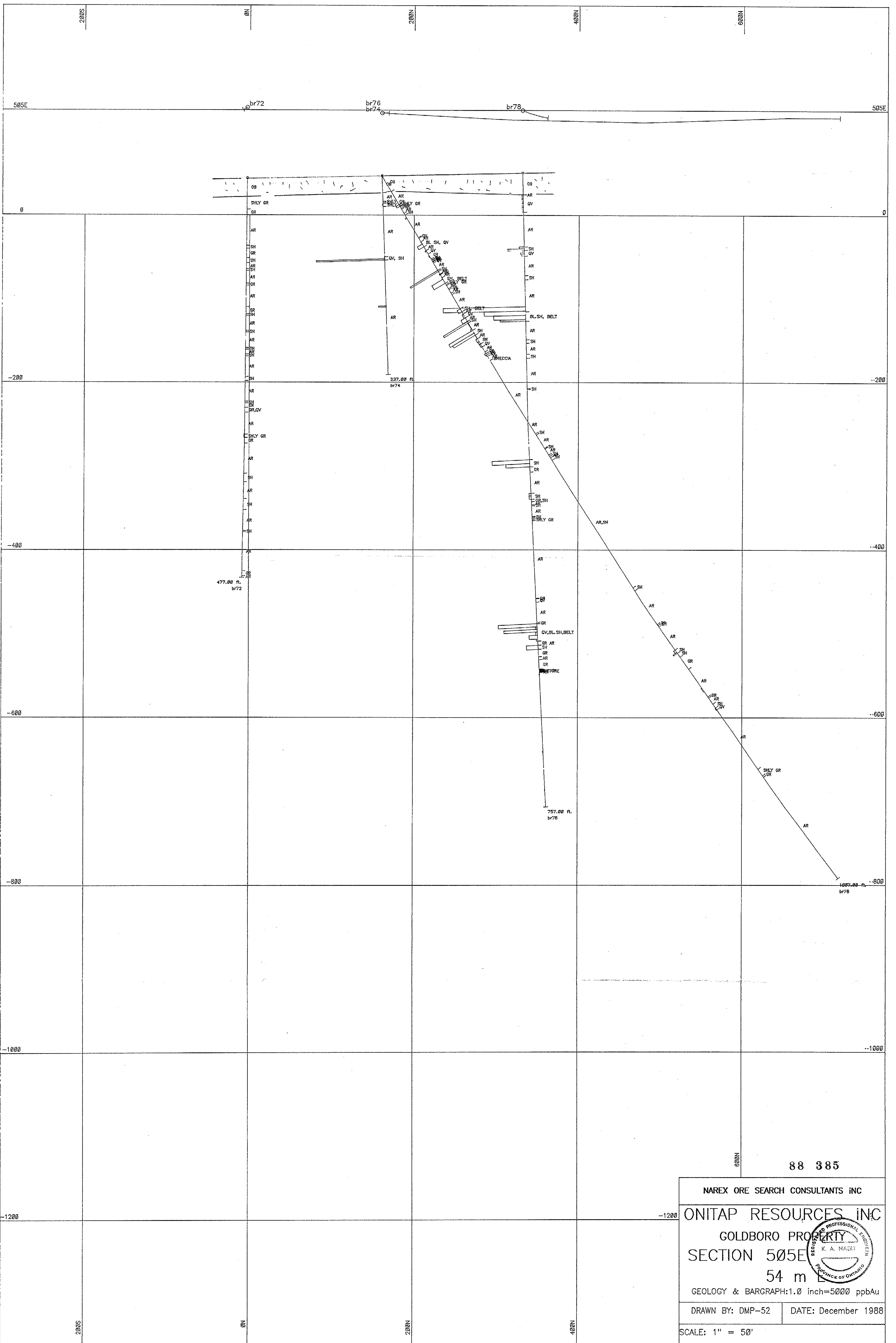




88 385

NAREX ORE SEARCH CONSULTANTS INC	
ONITAP RESOURCES INC	
GOLDBORO PROPERTY	
SECTION 745E	
225 m	
Individual Assay Values: oz. Au/t	
DRAWN BY: DMP-52	DATE: December 1988
SCALE: 1" = 50'	

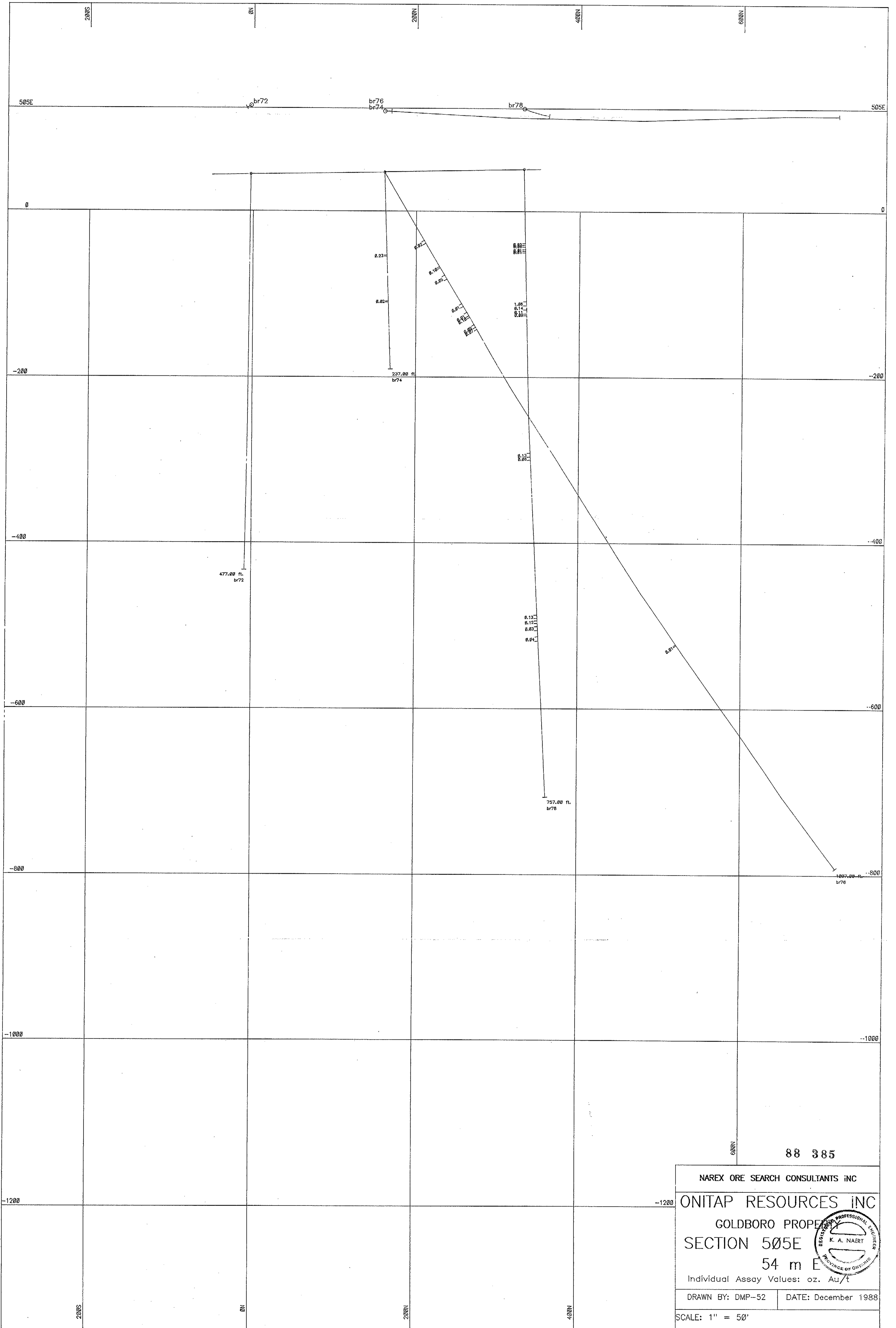




88 385

NAREX ORE SEARCH CONSULTANTS INC	
<b>ONITAP RESOURCES INC</b>	
GOLDBORO PROPERTY	
SECTION 505E	
54 m	
GEOLOGY & BARGRAPH: 1.0 inch = 50.00 ppbAu	
DRAWN BY: DMP-52	DATE: December 1988
SCALE: 1" = 50'	





88 385

NAREX ORE SEARCH CONSULTANTS INC

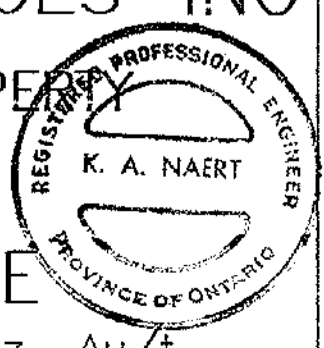
**ONITAP RESOURCES INC**

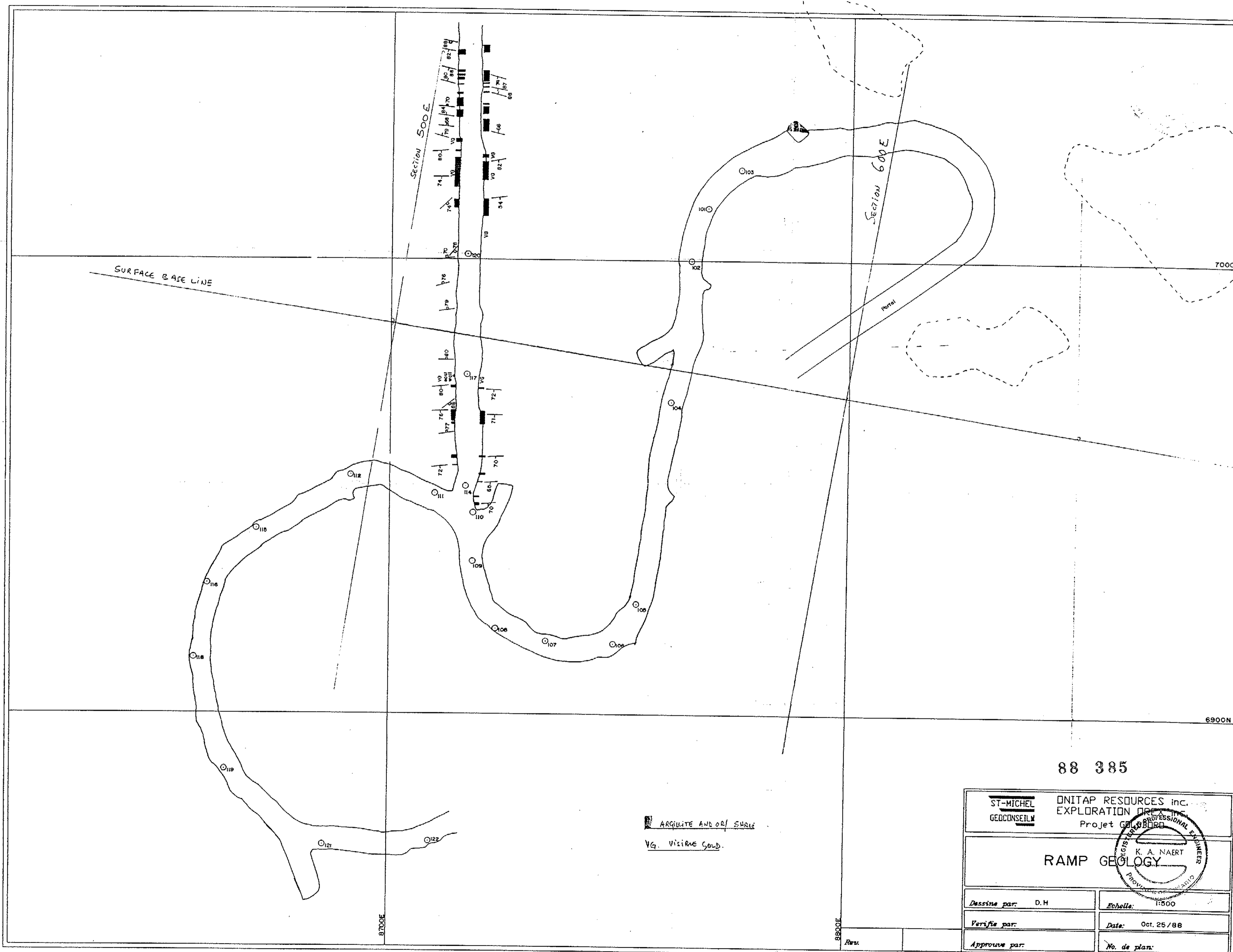
GOLDBORO PROPERTY  
SECTION 505E  
54 m E

Individual Assay Values: oz. Au/t

DRAWN BY: DMP-52	DATE: December 1988
------------------	---------------------

SCALE: 1" = 50'





88 385

ST-MICHEL GEOCONSEIL		DNITAP RESOURCES inc. EXPLORATION DIRECTIVE Projet GEB 00180	
RAMP GEOLOGY		K. A. NAERT PROFESSIONNEL ENGINIER	
		PROVINCE DE QUÉBEC	
Dessine par: D.H.		Echelle: 1:500	
Verifie par:		Date: Oct. 25/86	
Approuve par:		No. de plan:	

4960EL

4960EL









4940EL

P 114

P 117

P 120

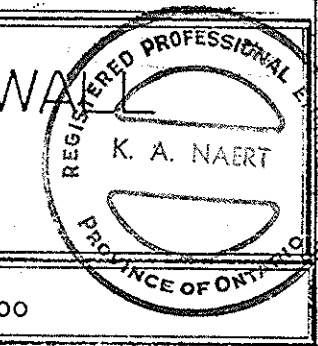
-consist of dark gray to black argillite and graphitic shale, minor greywacke. - cu

-  Argillite and/or Shale
-  Arenite and/or Greywacke
-  Quartz vein
-  Fault
-  Fault Breccia
-  Visible gold
-  Fracture
-  Bedding

88 385

GEOLOGY of WEST WATSON  
125L X-CUT  
RAMP

Dessine par: D.H.      Echelle: 1:100



6950N

6970N

6990N

7010N

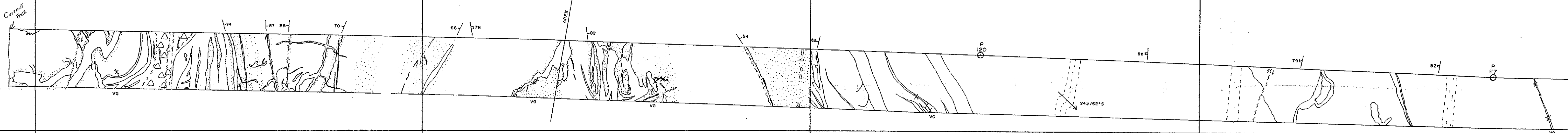
7030N

7050N

4980EL

4960EL

4940EL

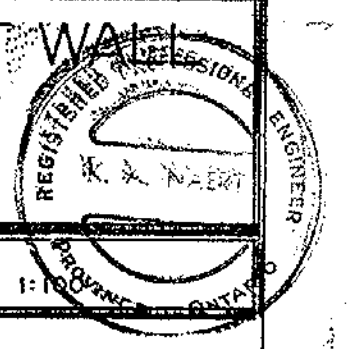


88 385

GEOLOGY of EAST WALL  
 125L X-CUT  
 RAMP

Designed by: D.H.

Scale: 1" = 100'



7050N

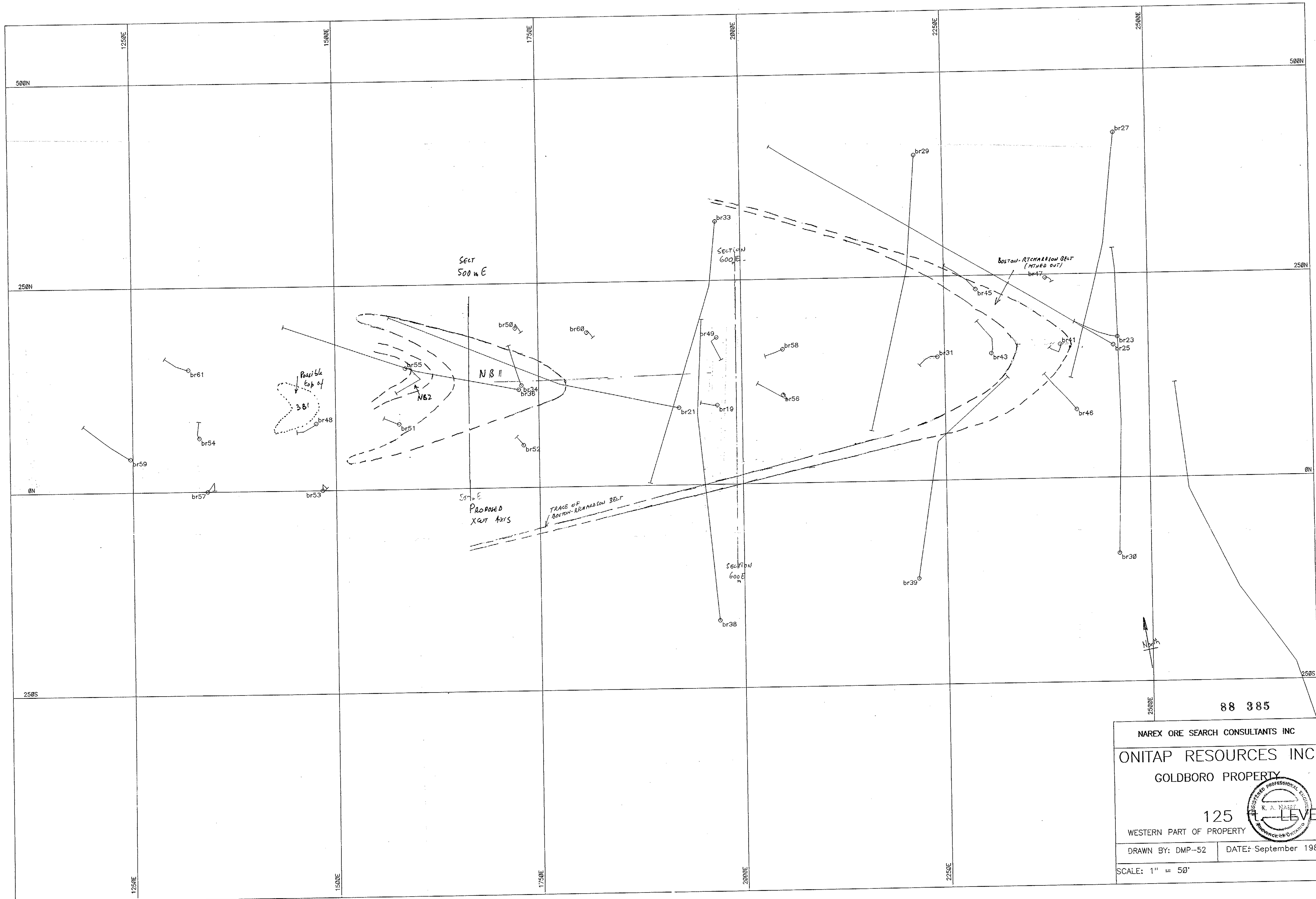
7050N

7050N

6950N

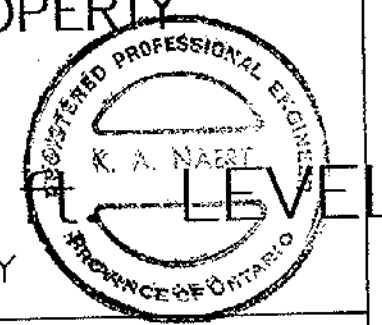
6950N

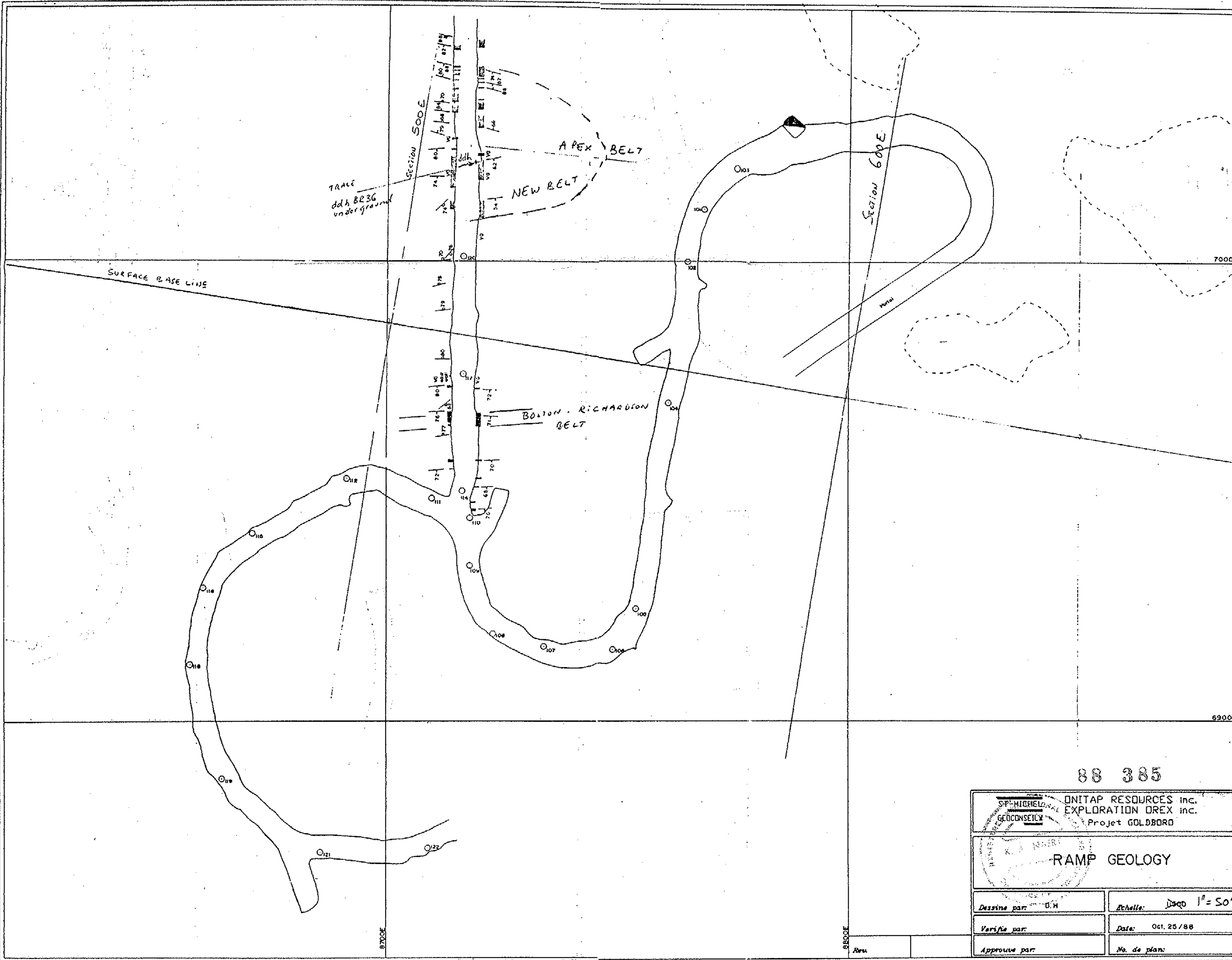






88 385

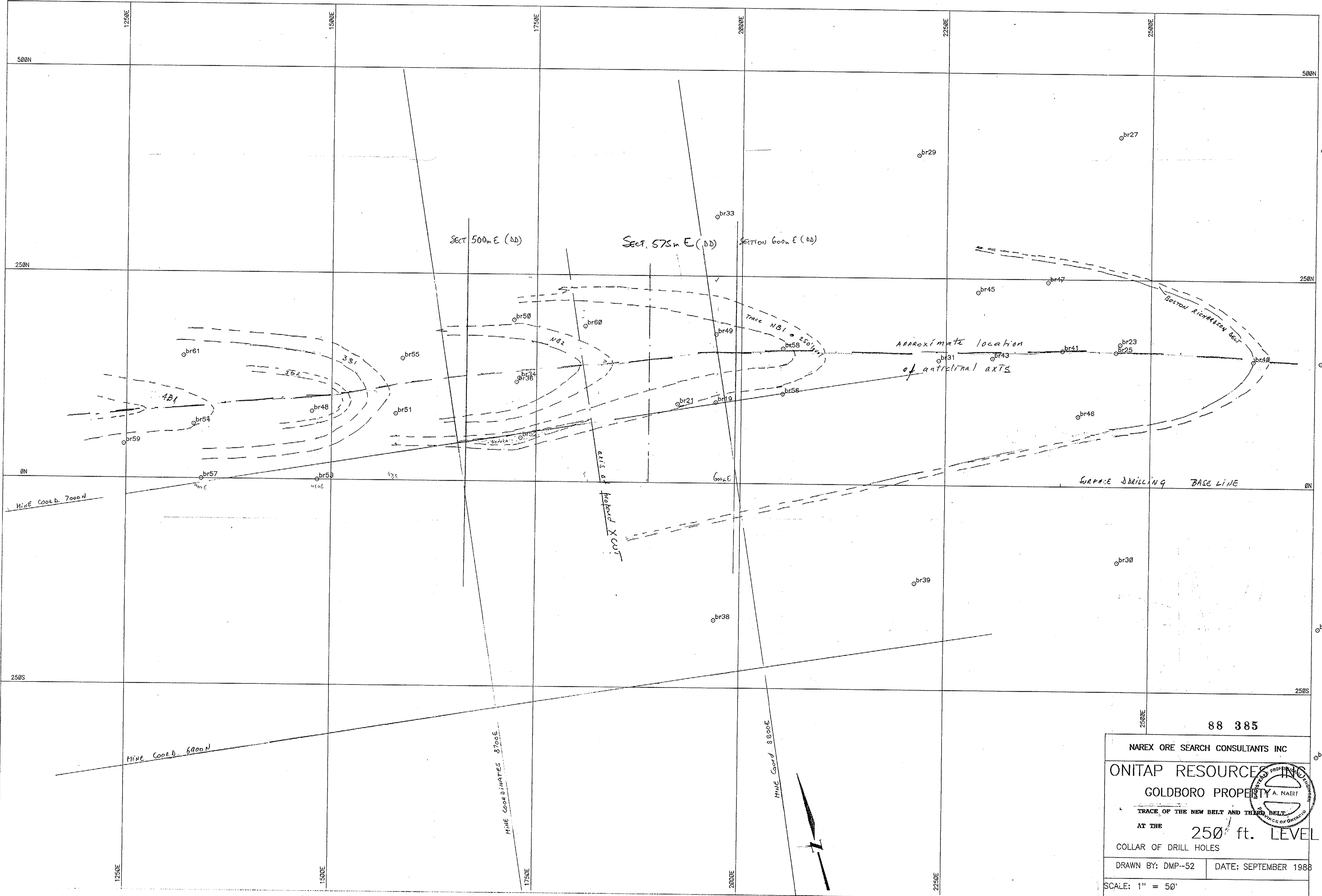
NAREX ORE SEARCH CONSULTANTS INC	
ONITAP RESOURCES INC	
GOLDBORO PROPERTY	
125 LEVEL	
WESTERN PART OF PROPERTY	
DRAWN BY: DMP-52	DATE: September 1988
SCALE: 1" = 50'	





88 385

 ONITAP RESOURCES inc. EXPLORATION OREX inc. Projet GOLDBORD	
 RAMP GEOLOGY	
Dessiné par: D.H.	Echelle: 1:50'
Vérifié par:	Date: Oct. 25 / 88
Approuvé par:	No. de plan:



88 385

NAREX ORE SEARCH CONSULTANTS INC

ONITAP RESOURCE INC

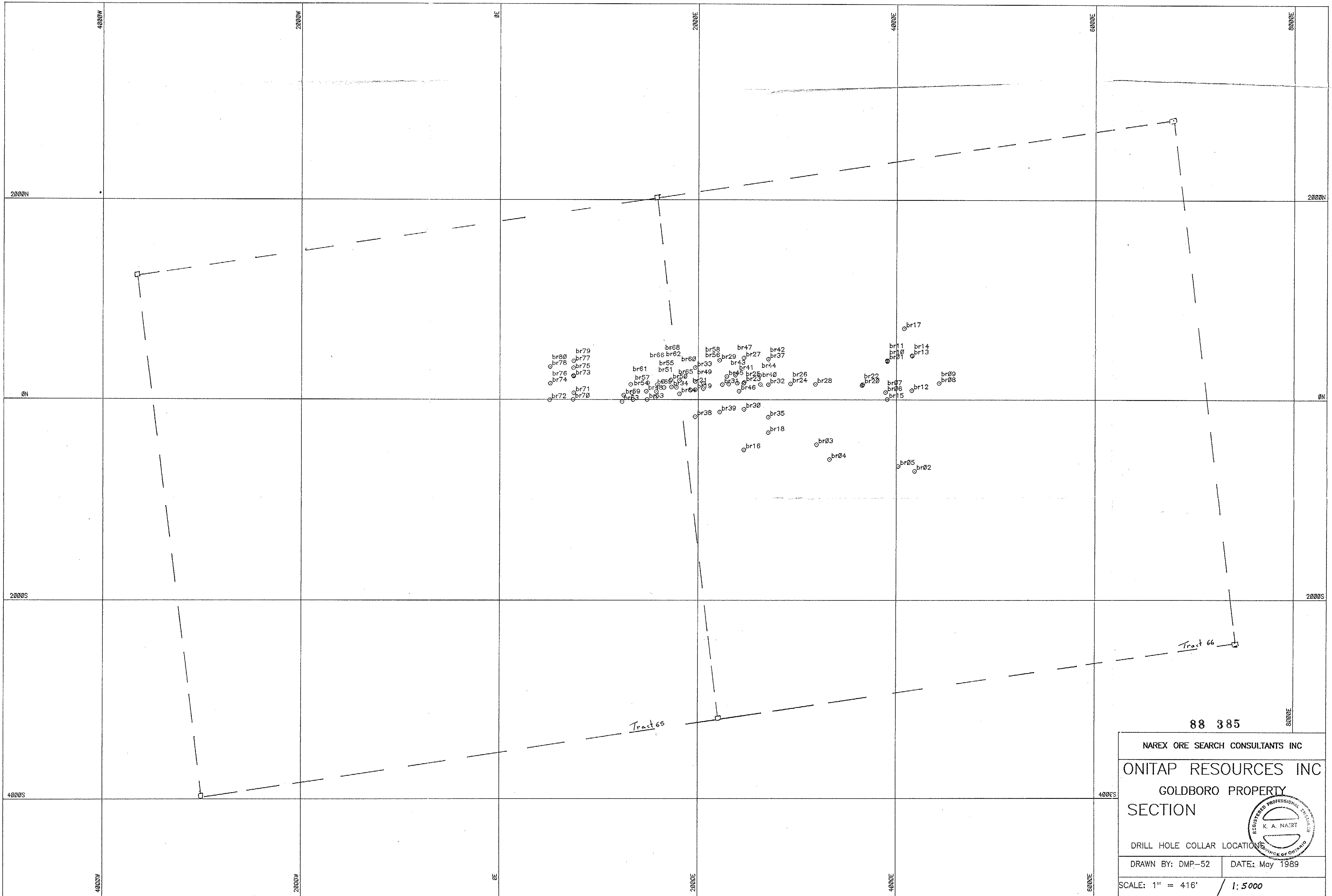
GOLDBORO PROPERTY A. NAERT

TRACE OF THE NEW BELT AND THIRD BELT AT THE 250' ft. LEVEL

COLLAR OF DRILL HOLES

DRAWN BY: DMP-52      DATE: SEPTEMBER 1988

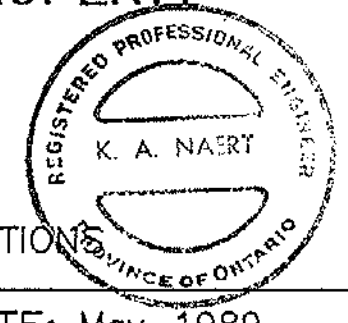
SCALE: 1" = 50'



Tract 66

Tract 65

88 385

NAREX ORE SEARCH CONSULTANTS INC	
ONITAP RESOURCES INC	
GOLDBORO PROPERTY	
SECTION	
	
DRILL HOLE COLLAR LOCATION	
DRAWN BY: DMP-52	DATE: May 1989
SCALE: 1" = 416' / 1:5000	





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

December 1988.

ONITAP RESOURCES INC. 1988-DIAMOND DRILL PROGRAM- COSTS

DEVELOPMENT LICENSE No. 0114 - REF. 11F4D  
GOLDBORO AREA - GUYSBOROUGH COUNTY  
NOVA SCOTIA.

Drilling and Contractors	605,971.00
Assays	17,710.00
Supervision, core logging, report preparation, sample transportation, drafting, etc.	258,473.00
Partnership Project Management	88,215.00
Total	----- \$ 970,369.00 =====



NAREX Ore Search Consultants Inc.

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

December 1988.

ONITAP RESOURCES INC. 1988-RAMP DEVELOPMENT- COSTS

DEVELOPMENT LICENSE NO. 0114 - REF. 11F4D  
GOLDBORO AREA - GUYSBOROUGH COUNTY  
NOVA SCOTIA.

Paid to Contractors: detailed per items  
( to November 21, 1988)

Overburden testing	25,929.00
Portal	177,899.00
Dynatec Mobilization	130,914.00
Ramp Development:	
Surface-125 ft. level	271,665.00
125 ft. level-250 ft. level	424,235.00
125 ft. level development	158,205.00
250 ft. level development (in progress)	68,141.00
Muck and safety bay, etc	72,794.00
Supervision, geological surveys	15,950.00
Project Management	134,573.00

-----  
Total \$ 1,480,305.00  
=====

Nova Scotia



Department of  
Mines and Energy

## Report of Work Performed

I, the undersigned, holder of/agent for, ~~Exploration~~ Development License No. 0114 issued on the 29th day of November 1987, 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 48,518 days' work (eight-hour days) not reported before, totalling \$ 970,369.00 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 40 Diamond Drill holes totalling 34,463 ft.

Diamond Drilling by: Ideal Drilling of Bathurst, New Brunswick

DDH logging 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 48-151 Nashdene Road, Scarborough, Ontario, M1V 4C4

Tel. No. 416-293-2990

Dated this 7th day of December 19 88

[Signature]  
Signature of Licensee/Agent  
President - Narex Ore Search  
Consultants Inc.

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

[Signature]  
Signature of Licensee/Agent

Sworn to  
at TORONTO  
in the County of [unclear]

RECEIVED  
DEC 13 10 34 AM  
MINES  
AND ENERGY



The NAMES and ADDRESSES of the

December 1988.

ONITAP RESOURCES INC. 1988-DIAMOND DRILL PROGRAM- COSTS  
DEVELOPMENT LICENSE No. 0114 - REF. 11F4D  
GOLDBORO AREA - GUYSBOROUGH COUNTY  
NOVA SCOTIA.

Drilling and Contractors	605,971.00
Assays	17,710.00
Supervision, core logging, report preparation, sample transportation, drafting, etc.	258,473.00
Partnership Project Management	88,215.00
Total	----- \$ 970,369.00 =====

RECEIVED  
DEC 13 10 34 AM '88  
MINES  
AND ENERGY

Nova Scotia



Department of  
Mines and Energy

*Handwritten mark*

## Report of Work Performed

I, the undersigned, holder of/agent for, Exploration License No. 0114 issued on the 29th day of November 19 87, 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 74,015 days' work (eight-hour days) not reported before, totalling \$ 1,480,305.00 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 Ramp development consisting of: overburden testing, portal construction, ramp development to 250 ft. level x-cut at 125 ft. level completed including mobilization of main

contractor (workshops, equipment) Main Contractor on site: Dynatec Mining Limited, Richmond Hill, Ontario. Engineering by: St. Michel, Geoconseil, Rouyn-Noranda, Québec.

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 48-151 Nashdene Road, Scarborough, Ontario, M1V 4C4

Tel. No. 416-293-2990

Dated this 7th day of December 19 88

RECEIVED  
DEC 13 10 34 AM  
MINES  
AND ENERGY

Signature of Licensee/Agent  
President - Narex Ore Search  
Consultants Inc.

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

Signature of Licensee/Agent

Sworn to  
at TORONTO  
in the County of YORK



NAREX Ore Search Consultants Inc.

49-151 Nashdene Road  
Scarborough, Ontario, Canada M1V 4C4  
Tel.: (416) 293-2990  
Fax: (416) 293-2975

December 1988.

ONITAP RESOURCES INC. 1988-RAMP DEVELOPMENT- COSTS

DEVELOPMENT LICENSE No. 0114 - REF. 11F4D  
GOLDBORO AREA - GUYSBOROUGH COUNTY  
NOVA SCOTIA.

Paid to Contractors: detailed per items  
( to November 21, 1988)

Overburden testing	25,929.00
Portal	177,899.00
Dynatec Mobilization	130,914.00
Ramp Development:	
Surface-125 ft. level	271,665.00
125 ft. level-250 ft. level	424,235.00
125 ft. level development	158,205.00
250 ft. level development (in progress)	68,141.00
Muck and safety bay, etc	72,794.00
Supervision, geological surveys	15,950.00
Project Management	134,573.00

-----  
Total \$ 1,480,305.00  
=====

RECEIVED  
MINES  
AND ENERGY  
DEC 13 10 34 '88