DIAMOND DRILLING

Area: Rowan Lake

Report No: 41

WORK PERFORMED FOR: Bigstone Minerals Ltd./Anglo Canadian Mining Corp.

RECORDED HOLDER: SAME AS ABOVE [ ]

: OTHER [x] John F. O'Donnell

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
K 728784	AC86-1	136'	Jan-Feb/86	(1)
	AC86-2	122'	Feb/86	(1)
K 728557	AC86-3	300'	Feb/86	(1)
K 728528	AC86-4	140'	Feb/86	(2)
K 728784	AC86-5	350'	Feb/86	(1)
K 727136, 727828	AC86-6	350'	"	(1)
K 728528	AC86-7	148'	"	(2)
K 728783, 728524	AC86-8	325'	"	(1)
K 728528	AC86-9	170'	"	(2)
K 728460	AC86-10	120'	"	(1)
K 728557	AC86-11	300'	"	(1)
K 727828	AC86-12	195'	"	(1)
K 728460	AC86-13	600'	"	(1)
K 697711	AC86-14	190'	"	(1)
K 727828	AC86-15	143'	"	(1)

NOTES: (1) #133-86
(2) #134/86

REPORT

FOR

ANGLO CANADIAN MINING CORPORATION

AND

BIGSTONE MINERALS LTD.

ON THE

DIAMOND DRILLING PROGRAM

AT

ROWAN LAKE,

KENORA MINING DIVISION, ONTARIO

JANUARY - FEBRUARY, 1986.

15 April, 1986.
Vancouver, B.C.

A.M. de QUADROS, Ph.D., P.Eng.,
Consulting Geologist.

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SUMMARY AND RECOMMENDATIONS

A diamond drill program, consisting of fifteen (15) holes totaling 3,589 feet, was conducted on the Rowan Lake Property of Anglo Canadian Mining Corporation and Bigstone Minerals Ltd. during the months of January and February 1986. This program, funded by Anglo Canadian Mining, was designed to test eight quartz-carbonate zones previously identified by surface mapping and trenching and the stratigraphy at Patmour. Though the drilling confirmed the presence of alteration zones, visually similar to the auriferous zones at the Nuinsco gold deposits, to the depth of three hundred feet, most of the zones were found barren on assaying. The program did, however, identify a long zone on Bigstone Island of better than trace values.

The claims would, on application of the work credits, have enough assessment work to take them to lease. It is therefore recommended that:

a. geochemical assaying of the rejects from Custom Fire Assay to check the trace values obtained by fire assay for geochemically interesting values for gold, silver, copper and zinc

b. two small summer programs on surface detail exploration on Bigstone Island (to check for cross-cutting features that may localise higher values) and on the Patmour Showing

c. keeping the claims in good standing pending the results of the overburden drilling that have been conducted by Nuinsco, Echo Bay and Silver Lake south, east and west of the property

d. taking the claims to lease by conducting an official claim inspection, followed by the issuance of certificates of record and a perimeter survey by a licensed Ontario land surveyor.

The costs would be as follows:

a.	Geochemical Assays	150 samples @ $20.00	$3,000.00
b.	Summer Exploration Programs on Patmour and Bigstone Island		$10,000.00
c.	i) Certificates of Record		$2,000.00
	ii) Legal Survey (estimated)		$25,000.00
		T O T A L	$40,000.00

Respectfully Submitted,

15 April, 1986.
Vancouver, B.C.

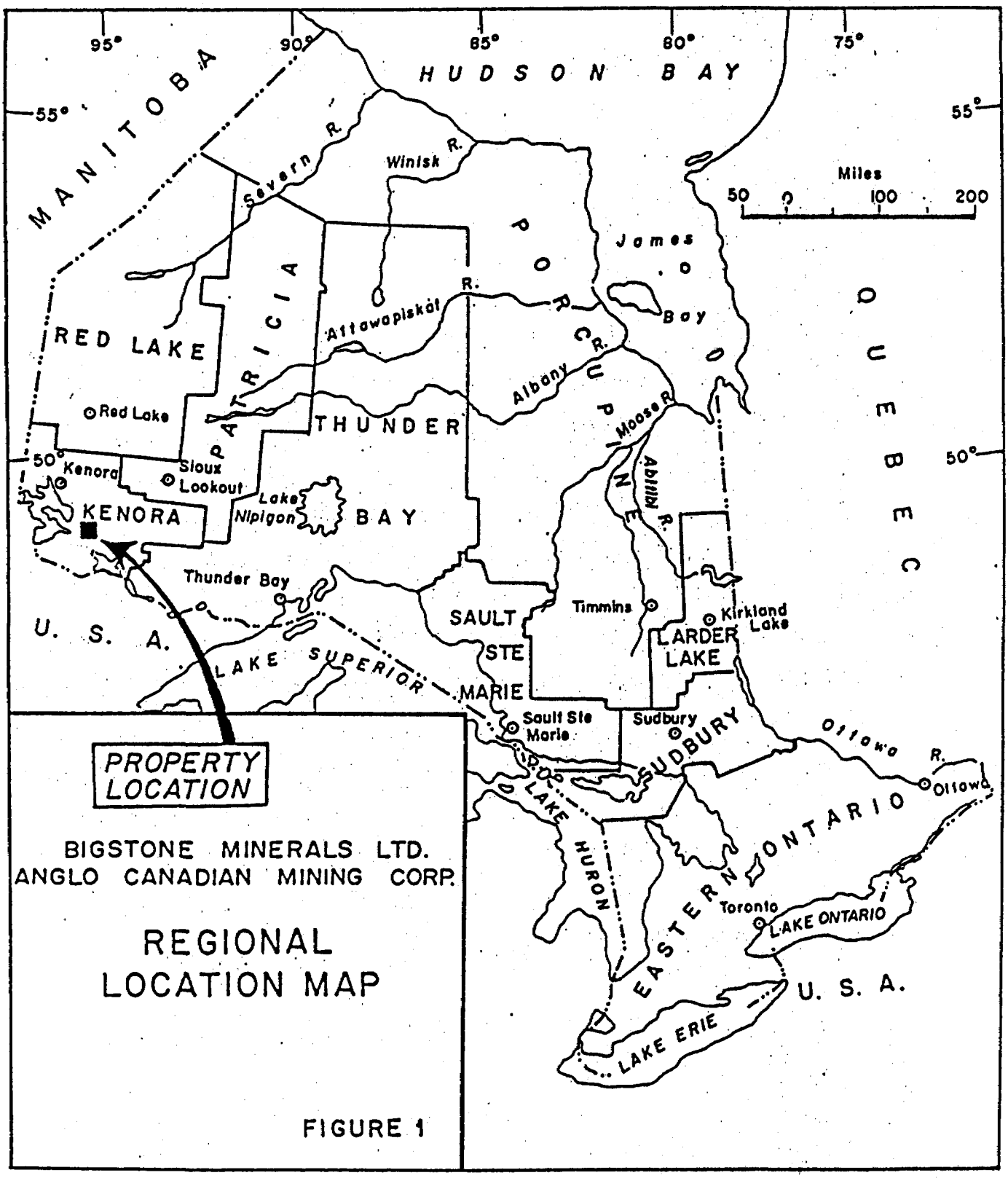
A.M. de Quadros, Ph.D., P.Eng.
Geologist.

THE WORK PROGRAM

During the months of January and February, 1986, an extensive diamond drill program was conducted on the Rowan Lake Claims held jointly by Anglo-Canadian Mining Corporation and Bigstone Minerals Ltd. Concurrently with the drilling program, a detailed linecutting (at 100 foot spacing) and magnetometer survey (at 25 foot stations) was conducted on a selected portion of the claims over the Patmour Gold Showing. The program was funded by Anglo Canadian Mining Corporation.

The diamond drilling consisted of 15 holes totalling 3,589 feet and was done by Ultra Mobile Diamond Drilling Ltd. of Surrey, B.C. under the supervision of the owner, Keith Allen. Two drills were used: the shorter holes were drilled with a Hydracore machine using standard A equipment and resulted in core slightly smaller than BQ: the longer holes were drilled with a JKS 300 machine using the 'thin wall' BDBGM equipment resulting in core intermediate between BQ and NQ sizes. The core was logged at Rowan Lake Lodge, split when warranted, and is now stored at the Nuinsco Resources logging facility at Monte Christo Island.

Assays for the first two holes were carried out by Vangeochem Labs of North Vancouver, B.C. who did a fire extration followed by atomic absorption analyses for Au and Ag. However, in interests of quicker assays, the rest of the samples were sent to Paul Okanski's Custom Fire Assay Laboratory in Cochenour, Ontario. Sludge samples were considered but not taken for two reasons, namely: (1) the drilling fluid was water and it was considered doubtful that native gold or other heavy metals would be carried up the hole, and (2) the infrequent return of water out of the collar due to the fractured nature of the rocks.


95°
90°
85°
80°
75°
55°
50°
HUDSON BAY
MANITOBA
Severn R.
Winisk R.
Miles
50 0 100 200
PROPERTY LOCATION
BIGSTONE MINERALS LTD.
ANGLO CANADIAN MINING CORP.
REGIONAL LOCATION MAP
FIGURE 1
RED LAKE
PATRICIA
Attawapiskat R.
POR
James Bay
Albany R.
Red Lake
THUNDER
Moose R.
ADMIN R.
Kenora
Sioux Lookout
Lake Nipigon
KENORA
BAY
Thunder Bay
U. S. A.
LAKE SUPERIOR
SAULT STE MARIE
Timmins
Kirkland Lake
LARDER LAKE
Sault Ste Marie
Sudbury
SUDBURY
Ottawa R.
Ottawa
LAKE HURON
EASTERN ONTARIO
Toronto
LAKE ONTARIO
U. S. A.
LAKE ERIE

In discussions, the Nuinsco geologists agreed that in their experience sludges had proven to have very poor correlation with the core and with the rocks in general, and this, coupled with excellent core recovery, had led to the discontinuance of sludge sampling.

Access to the property was initially by the new mining road built by Nuinsco from Highway 71, five miles south of Sioux Narrows, to the Cameron Lake Deposit, and thence by the Nuinsco Ice Road across Sulivan Bay over a portage to Rowan Lake. Towards the middle of February, the ice road across Kakagi Lake from Hansen's Camp at Nestor Falls was ploughed and was used for the rest of the program. Access roads to drill sites and to Rowan Lake Lodge was ploughed by Keith Allen of Ultra Mobile Diamond Drilling Ltd.

A considerable amount of work was being carried out in the area during this period by Nuinsco and Echo Bay as well as smaller drill programs by Falconbridge (at the Wampum) and by Silver Lake Resources on Rowan Lake. The presence of all these companies made the operation of our program easier and more cost effective.

Mr. Chester Kuryliw, P.Eng. of Dryden, Ontario visited for a day to conduct EM-17 work for Hole No. AC86-13. Other visitors included Mr. Doug Hunter and Mr. Paul Jones, geologists of Nuinsco, and Mr. Mike Morrel of Echo Bay Mines, who looked at the core and gave some sound advice; Mr. Mike Hailstone, geologist at the Ministry of Natural Resources at Kenora and Mr. Mark Hall, Mining Recorder of Kenora. We wish to thank Mr. Doug Hume and Mr. George Archibald of Nuinsco for permiting access to their road, logging facilities and other help received during our program and to Dr. C. Blackburn, Mr. H. Hailstone and Mr. Mark Hall of the Kenora Ministry of Natural Resources for help and discussions of the Rowan-Cameron Lake Area.

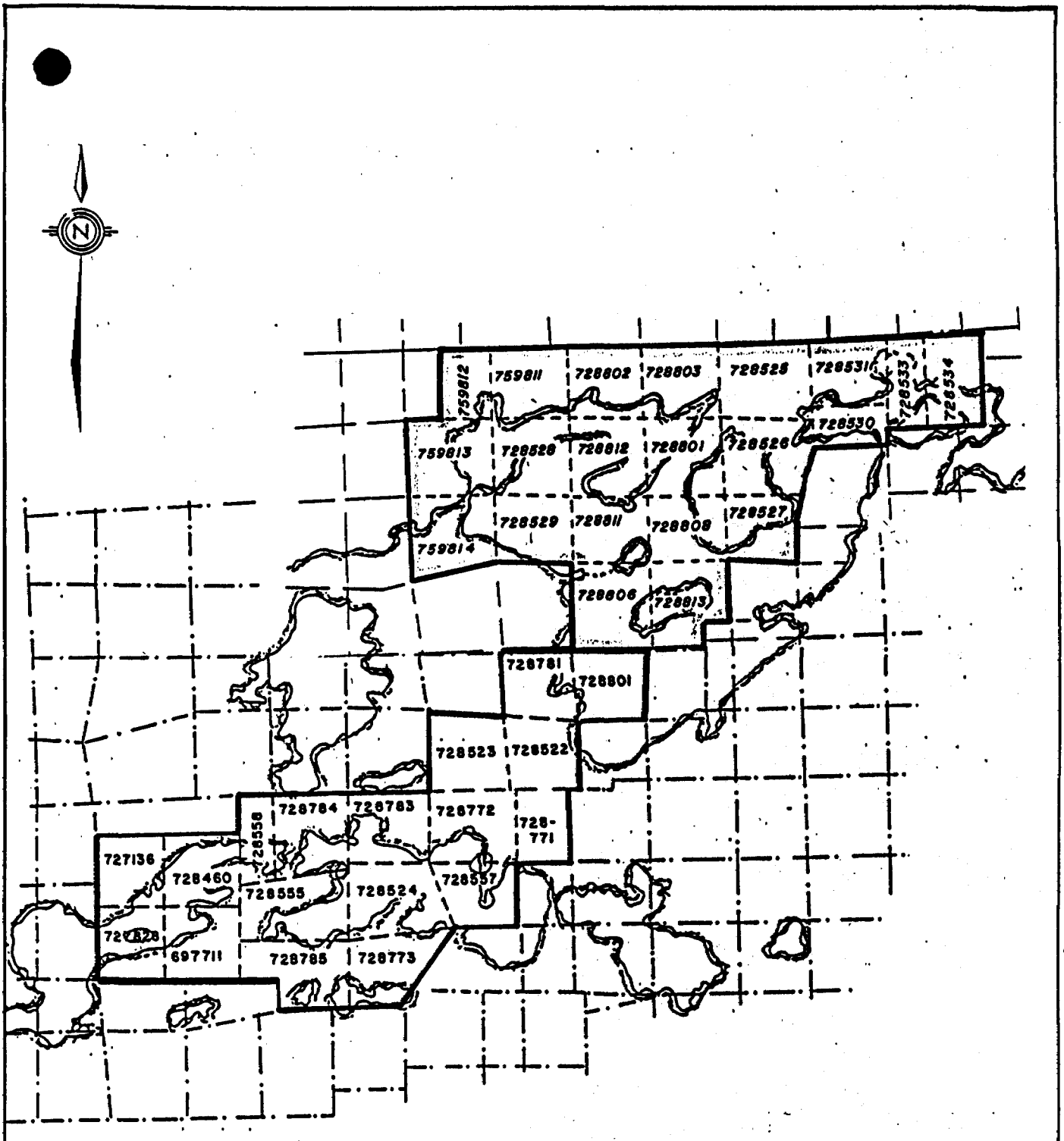
PROPERTY DESCRIPTION

The property consists of 39 claims staked in 1982 by various parties and optioned by Anglo Canadian Mining Corporation and Bigstone Minerals Ltd., who then entered into a Joint Venture. The location of the claims is shown on Figure 1 and the details on Figure 2. A list of the claims is given on Table 1.

Extensive corrections to the staking were carried by Manwa Exploration Services Ltd. geologist Seymour Sears in 1984 following a rough compass and claim survey, and included replacing of posts and reblazing of lines to comply with orders of the Kenora Mining Recorder. The claims are in good standing and assessment credits for the present program are being applied for and will result in about 150 man days being applied to each claim. Should the companies desire to take these claims to lease, an official claims inspection followed by a legal perimeter survey will be all the further work required.

Access to the claims is by the ice roads, as given previously, during the winter. During the summer, the claims are accessible by float plane from Kenora, Dryden or Nestor Falls, with travel between the islands by boat.

Permanent camps in the area include Ultra Mobile's camp at Montre Christo Island, Nuinsco's camp also at Monte Christo Island and the cabins of Rowan Lake Lodge and Showalter's Camp. There are also several private summer cabins in the area.



Data from: Rowan Lake
M-2580

Scale 1" = ½ mile

ANGLO / BIGSTONE J. V.
ROWAN LAKE, KENORA
CLAIM MAP
FIGURE 2

TABLE 1.

LIST OF CLAIMS

LOSS BAY GROUP	K759811	K728528	K728525
	K759812	K728529	K728526
	K759813	K728812	K728527
	K759814	K728811	K728531
	K728801	K728813	K728530
	K728802	K728806	K728533
	K728803	K278808	K728534
BIGSTONE ISLAND GROUP	K728528	K728772	K728460
	K728523	K728773	K727136
	K728524	K728781	K727828
	K728555	K728783	K697711
	K728557	K728784	
	K728558	K728785	
	K728771	K728801	

GEOLOGY OF CAMERON LAKE DEPOSITS

Several descriptions of the Cameron Lake deposits have been published (e.g. Hunter and Curtis, 1983; Blackburn and Hailstone, 1983) but the latest and most extensive reports are by Melling et al (1985) and Melling and Watkinson (1985). The following description is take largely from the last two papers.

The rocks hosting the gold deposits are mafic volcanics consisting of fine grained pillowed and massive flows with minor occurrences of breccia, interlayed intermediate to felsic pyroclastic rocks. Gabbroic sills intrude the intermediate and felsic pyroclastic rocks. Quartz-feldspar porphyry sills and dykes are also present. The Cameron Lake deposit itself is located within the Cameron Lake Volcanics near the contact with the Rowan Lake Volcanics. It occurs in sheared mafic volcanic rocks adjacent to the highly deformed intrusive contact with a gabbroic sill. Melling and associates recognise three veining stages in the carbonatised rocks of Cameron Lake Volcanics:

1. early barren extensional quartz-carbonate veins,
2. major system of gold-bearing pyritic quartz-rich breccia veins,
3. late crosscutting en echelon extension veins consisting of quartz-carbonate-chorite-haematite-gold.

The localisation of highly anomalous quantities of gold along the Cameron Lake Shear Zone is related to the development of oblique secondary bedding-controlled sympathetic shear zones. The pitches of the deposits are coincident with the intersection of these shear systems, and consequently tend to have complex subsurface geometry. The periodicity of the high grade pods have not been understood and the reader is directed to read the two papers by Melling and associates for greater detail. At this stage, it should be noted that the complexity of the geometry of these deposits makes exploration for these deposits very difficult.

PREVIOUS WORK

The Rowan Lake area has been explored sporadically since middle 1890's. In 1894 and 1896, A.P. Coleman conducted a reconnaisance over the area for the Geological Survey of Canada. In 1898, Anglo-Canadian Gold Estates of London, England acquired exclusive prospecting rights over the area, and did some prospecting. In 1933-1934, James Thompson of the Ontario Geological Survey mapped the area; his work was published in 1935 in the Annual Reports of the Ontario Department of Mines. The next staking period in 1936-1943 resulted in location of gold showings in the Rowan Lake area, including the Wampum, the Errington, the Monte Christo and the Victor. During this period, the McCrae Brothers of Wampum Gold Mines staked the area of the Peninsula (around the Patmour Showing) and worked on two gold showings. The first just off the west boundary of the property was apparently drilled by R.J. Jowsey and H.R. Drummond-Hay in 1939 with disappointing results (see Northern Miner; September-December 1939). The other showing, believed to be the Patmour, was trenched and pitted but no further work was recorded. In 1960, Noranda carried out work in the area but dropped their properties following poor results. The area remained inactive until the discoveries of Nuinsco Resources in Cameron Lake and Rowan Lake in 1981-1982 resulted in a major staking rush in the area. The Anglo-Canadian- Bigstone claims were acquired in 1983. These companies conducted airborne surveys over the area using Aerodat and Terraquest in 1984.

In 1984, the area of the claims was prospected and mapped by Seymour Sears of Manwa Exploration Services Ltd. Numerous carbonate-altered zones were mapped and trenched by plugger and explosives and sampled. Low gold values were encountered, the best being 0.046 oz/ton Au at the "Breccia Zone" (site of Holes 86-3 and 86-11).

Towards the end of the program, a visible gold showing was located by Patrick Chevalier of Bigstone Minerals. This showing, names the 'Patmour' was trenched and assayed and gave values of up to 26 ounces/ton over narrow widths. The results of this program were described in the three reports written by S. Sears in December 1984.

In December 1984, Bigstone Minerals and Anglo Canadian Mining proceeded with an 11 hole, 1130-foot diamond drill program over the Patmour Showing (Kretschmar and Kretschmar, 1984). While the drilling showed the presence of several mineralised quartz veins and mineralised and altered host rock, the results overall were disappointing. The best results were 0.126 oz/ton over 3 feet and 0.105 oz/ton over 4 feet with some visible gold. However, though the gold values were not economic, they indicated the presence of gold on these claims.

PROPERTY GEOLOGY

The property geology has been described by Sears (1984a, b and c) from whose reports much of the following has been summarised; other workers on the claim group are Kaye (1973) and Kretschmar and Kretschmar (1984).

The property is underlain by a series of submarine metavolcanic rocks ranging from mafic to intermediate flows and pillow lavas and mafic to felsic volcaniclastic rocks with minor local interbedded metasediments. These rocks have been locally intruded by granitic dykes and gabbroic sills. These rocks form a slightly overturned, north dipping homoclinal sequence. All these units have been locally sheared, altered and sometimes brecciated; alteration consists of quartz + carbonate $\pm$ pyrite $\pm$ sericite $\pm$ green mica. Carbonate is present everywhere on the property as veinlets, blebs and pervasive dissemination, especially in volcaniclastic rocks.

Sears (1984, a, b and c) identified several promising occurrences of quartz-carbonate alteration; two strong zones of shearing and accompanying quartz-carbonate breccia were located and sampled and an earlier reported occurrences of gold (the 'Patmour') was rediscovered. The altered zones and the breccia zones on the property are very similar in appearance, mineralogy and geological setting to the host environments for the Cameron Lake and Montre Christo deposits. The central core of the zones consist of a quartz-carbonate breccia, quartz stockwork or quartz veins, with accessory minerals sericite $\pm$ pyrite $\pm$ minor chalcopyrite $\pm$ green mica. This in turn is surrounded by a zone of bleached and weakly altered and sheared rock which grades back into the host rock. These altered zones range from a few feet to tens of feet in width , with the

central quartz-rich zone developed erratically within the altered zone; the central zone ranges from absent to 15-20 feet in width. The continuity on strike appears to be of the order of a few hundred feet but definition of this dimension is generally impossible due to the Lake and due to the poor outcrop on land.

The 'Patmour' Showing is atypical for the area. It is an east-west trending quartz-carbonate and stringer system in a sheet of shared and altered tuffaceous unit within a gabbroic sill or flow. The main mineralised zone appears to be a set of narrow discontinuous thin (0.5-1.5 feet wide) quartz veins and stringers. (Sears, 1984a, Kretschmar and Kretschmar, 1984). The gold in this showing is free and coarse, easily visible but erratic in distribution, resulting in very high (up to 20.24 oz Au per ton) to very low values (to 0.02 oz/ton) over very limited distances. Sears (1984a) suggests that the overall grade of the vein for 30 or 40 feet would be approximately 2 to 3 oz/ton gold. Drilling in 1984 showed the complexity of the zone but failed to give satisfactory evaluation to the down-dip potential of the zone.

MAGNETOMETER SURVEY

A detailed line cutting program was carried out on the peninsula and Bigstone Island in an attempt to explore for the continuation of the altered zones and test for the continuation of the rock units accross the S Bend Narrows, and in particular to test for continuation of the 'Patmour' geology. The base line was set East-West through the short base line cut along the 'Patmour" showing from the western claim boundary to 3,600 feet East. North-South lines were cut at 100 foot intervals for 600 feet North and 600 feet South of the base line, with stations at 50 foot intervals. The lines were extended at 200 foot spacing between the 600 North to 2,000 North with stations at 100 feet. Three east-west tie lines were established for grid control at 600 South, 600 North and 2,000 North. The magnetometer readings were taken every 25 feet from 600 North to 600 South and to 2,000 North every 100 feet. The data was corrected by using base stations along the baseline. The instrument used was a Scintrex MP-2 proton magnetometer rented from Mr. Charter Kuryliw, P.Eng. The data was plotted at 1":100' scale and contoured at 100 gamma interval and then reduced photographically to 1":200' scale for presentation (Figure 4 in pocket).

The magnetometer survey shows the following results:

1. The geological trends on the area are roughly east-west as shown by geological mapping, in contrast with much of Rowan Lake Area, where the regional strike is NE-SW.

2. A magnetic high, as shown by the 60,000 gamma contour runs almost parallel to the base line just north of the 'Patmour' Showing in the gabbroic sill for between 50 feet and 300 feet; this may correspond to an gabbroic outcrop mapped by Sears (1984) between the two intermediate tuff units, containing coarse hornblende and magnetite on the shore exposure ENE of the 'Patmour' Showing.

3. A magnetic low defined by the 59,500 gamma contour parallel and immediately north of the magnetic high; this feature appears to indicate either a zoning of the gabbroic unit or suggest that the gabbroic unit consists of two members.

4. The magnetic survey does show no correlation with the EM-17 anomaly at D.D.H. AC 86-13 north of the peninsula . This was found surprising in view of the amount of pyrrhotite in the drill hole. Similar lack of magnetic correlation with holes drilled north of the peninsula and the Bigstone Island, all of which contained pyrrhotite to varying degrees, indicate that the pyrrhotite was essentially non-magnetic.

5. The postulated fault, found in DDH AC 86-5 at the S-Bend Narrows, trending NNE-SSW appears to have no magnetic expression, nor does it offset the magnetic high along the base line. This would indicate little or no horizontal movement along the postulated fault.

SCOPE OF THE PROGRAM

The mapping program by Sears (1984, a, b and c) delineated several altered and brecciated zones on the Joint Venture Property. Exploration of these zones was hampered by the lack of outcrop from the shore line outcrops and by the difficulty of following these zones either geophysically or by trenching - the latter requiring much mannual labour. The general geology, the alteration and the visual appearance of these zones however is very similar to those of the deposits being explored by Nuinsco Resources at Cameron Lake and at Victor and Monte Christo on Rowan Lake.

Due to the ease of mobilising in winter over the frozen lake, it was decided that the drill program be used as an exploration tool in order to obtain continuous rock samples of as many altered zones as feasible in order to select and locate any zones that could be gold-bearing for further drilling. To this end, all the major zones located by Sears (1984, a, b and c) were drilled during this program with fairly short holes ranging from 122 feet to 350 feet. One hole was reserved for the EM-17 anomaly located by Hudson's Bay Mining and Smelting (Hole AC 86-13) and this hole was drilled to 600 feet to test the two anomalies relocated by Mr. C. Kuryliw, P.Eng. The altered zones were thus explored at depths of between 60 and 250 feet below surface. The holes were successful inasmuch as altered zones of similar alteration and affinity to the mineralised zones at the Nuinsco properties were encountered in all but two holes. However, apart from the 0.06 and 0.04 oz/ton Au assays obtained in Hole AC 96-3, the zones were found to be essentially barren. The results are briefly described below and plotted in the accompanying figures. The drill logs (with assays) are in Appendix 1; the assay certificates form Appendix 2. (See Figures 3 and 5.)

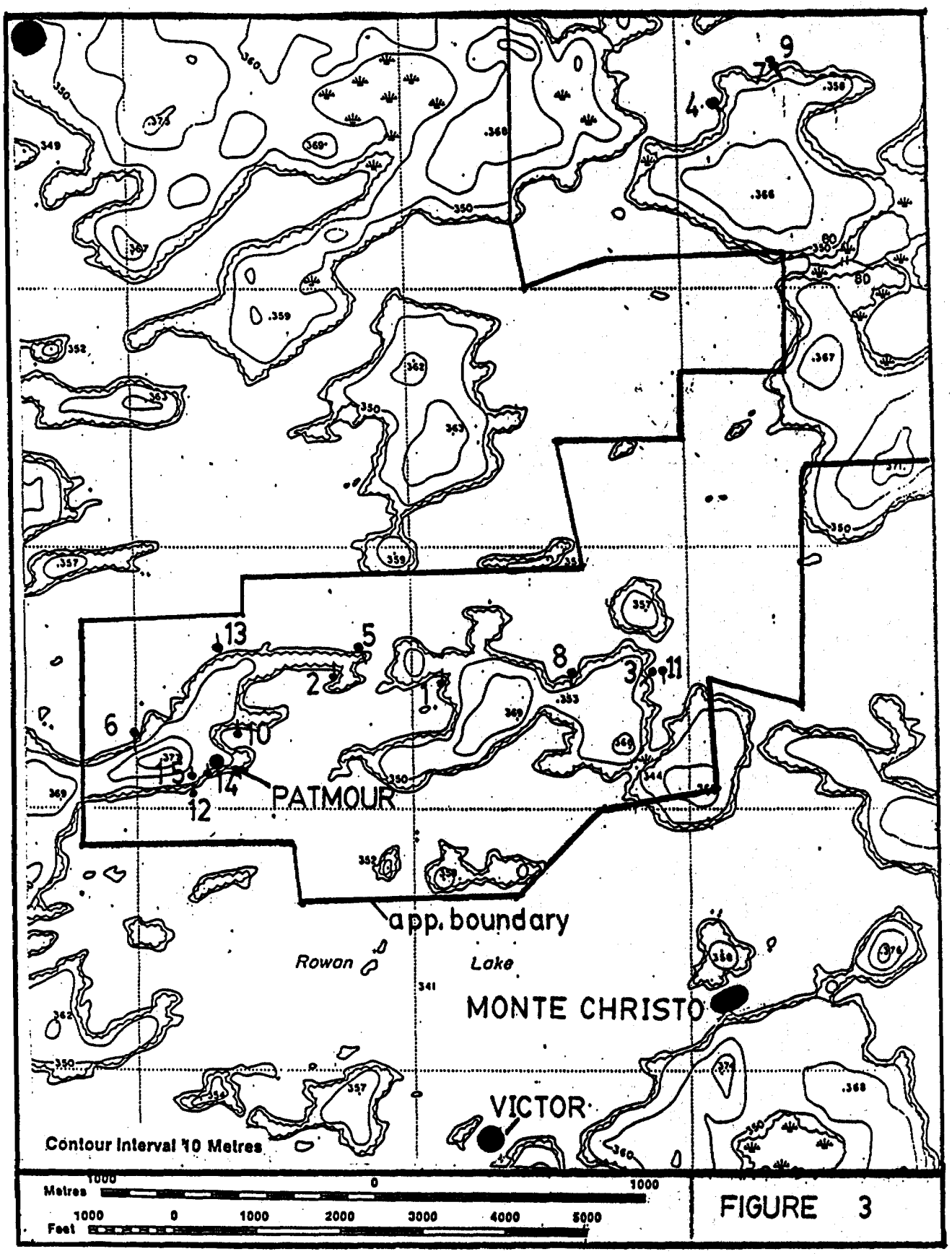

PATMOUR
app. boundary
Rowan Lake
MONTE CHRISTO
VICTOR
Contour Interval 10 Metres
Metres 1000 0 1000
Feet 1000 0 1000 2000 3000 4000 5000

FIGURE 3

TABLE 2: DIAMOND DRILL HOLE DATA.

ROWAN LAKE PROJECT

DRILLING 31 JANUARY - 26 FEBRUARY, 1986.

HOLE #	PERIOD	CLAIM NO.	AZIMUTH	DIP	FOOTAGE	SIZE
AC 86-1	31 Jan-01 Feb	K728555 ?	N 000°	- 45°	136'	BQ
AC 86-2	02 Feb	K728558 ?	N 000°	- 45	122'	BQ
AC 86-3	04 - 05 Feb	K728772 ?	N 225°	- 45	300'	BDBG
AC 86-4	03 Feb	K728528	N 135°	- 45	140'	BQ
AC 86-5	06 - 07 Feb	K728784	N 135°	- 45	350'	BDBG
AC 86-6	07 - 08 Feb	K727136	N 180°	- 45	350'	BDBG
AC 86-7	07 - 08 Feb	K728528	N 135°	- 45	148'	BQ
AC 86-8	08 - 10 Feb	K728524	N 180°	- 45	325'	BDBG
AC 86-9	09 - 10 Feb	K728528	N 135°	- 45	170'	BQ
AC 86-10	11 - 13 Feb	K728460	N 000°	- 45	120'	BQ
AC 86-11	11 - 13 Feb	K728772 ?	N 180°	- 45	300'	BDBG
AC 86-12	14 Feb	K727828	N 000°	- 45	195'	BQ
AC 86-13	15 - 17 Feb	K728460	N 000°	- 60	600'	BDBG
AC 86-14	21 Feb	K727828 ?	N 000°	- 45	190'	BQ
AC 86-15	23 - 25 Feb	K727828	N 000°	- 45	143'	BQ

TOTAL FOOTAGE 3,589 FEET

ASSESSMENT 14,356 MAN DAYS

D.D.H. AC 86-1 (FIGURE 6)

This hole was drilled to test the area of Trench #3 (Sears 1984a, pp 26-27). A well developed quartz-carbonate zone was trenched and sampled over 36 feet. The results indicated a strongly anomalous gold zone with six feet (three samples) averaging 193 ppb Au with a high of 245 ppb. A grab sample of a similar zone 200 feet west returned the value of 40 ppb Au. The exposure is described by Sears as being one of the more intensely altered zones with locally abundant pyrite.

The hole intersected three zones of altered rock from 28' 05" - 52' 00"; 83'10" - 101'05" and 121'00" to 136'00". The best assays were obtained from the first zone; 45'0" - 50'00" (60 inches) averaged 0.44 gms per tonne Au, with high of 1.2 gms per tonne Au over 12" (0.013 and 0.035 oz/ton respectively).

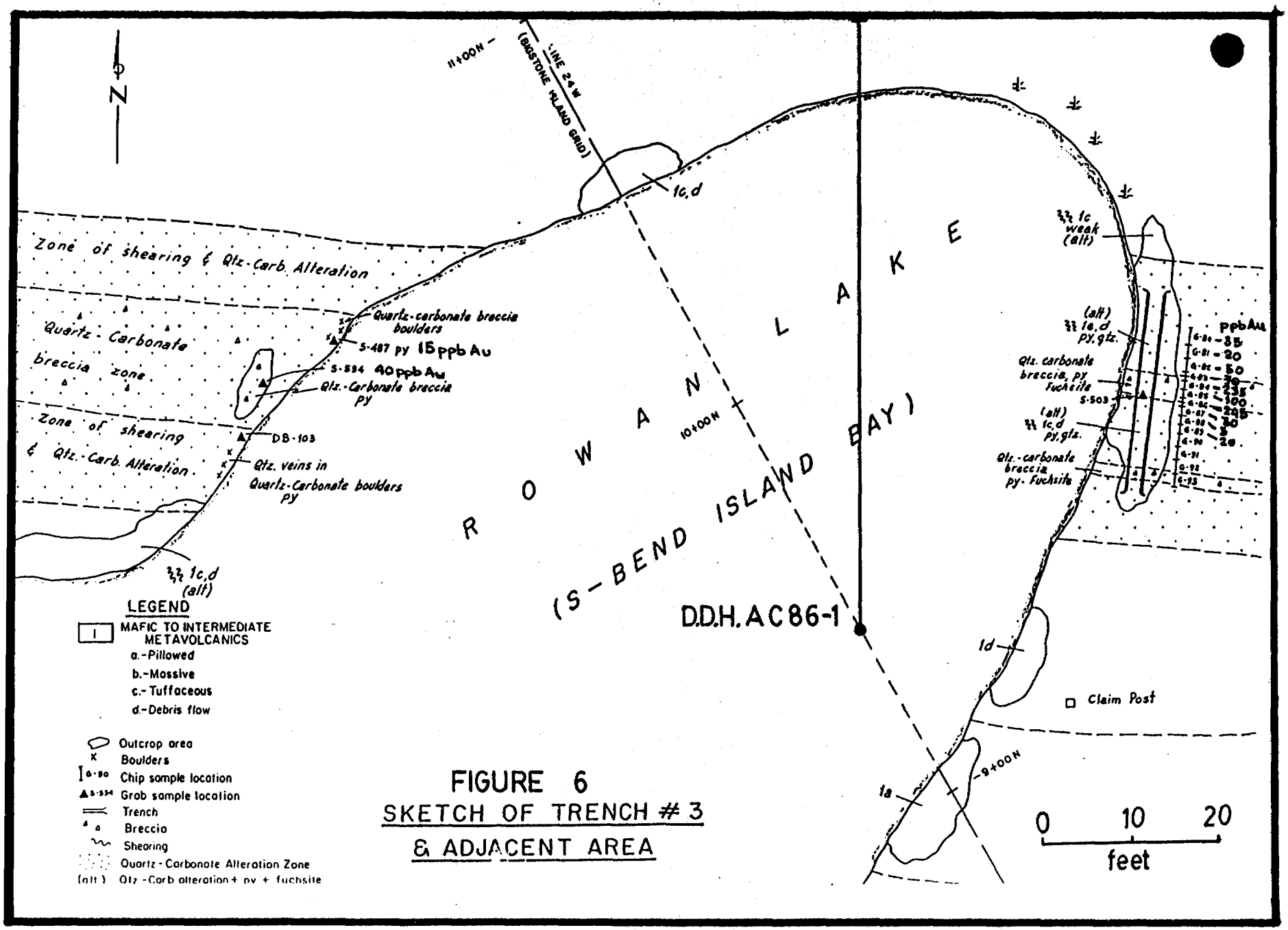


FIGURE 6
SKETCH OF TRENCH #3
& ADJACENT AREA

D.D.H. AC 86-2 (FIGURE 7)

This hole was drilled to test the Portage quartz-carbonate alteration zone (Sears 1984 a, pp 24-25). Four samples taken from the trench were barren; however the zone has been traced for 600 feet East-West. The rocks are locally highly altered and pyritised and a green mica-bearing grab sample taken earlier on 400 feet west was reported to have run 0.01 oz/ton Au.

The hole intersected an altered zone from 53'08" to 122'00"; the most intense zone being from 66'06" to 73'00" which gave an average assay of 0.44 gms per tonne Au over 78 inches (0.013 oz/ton Au).

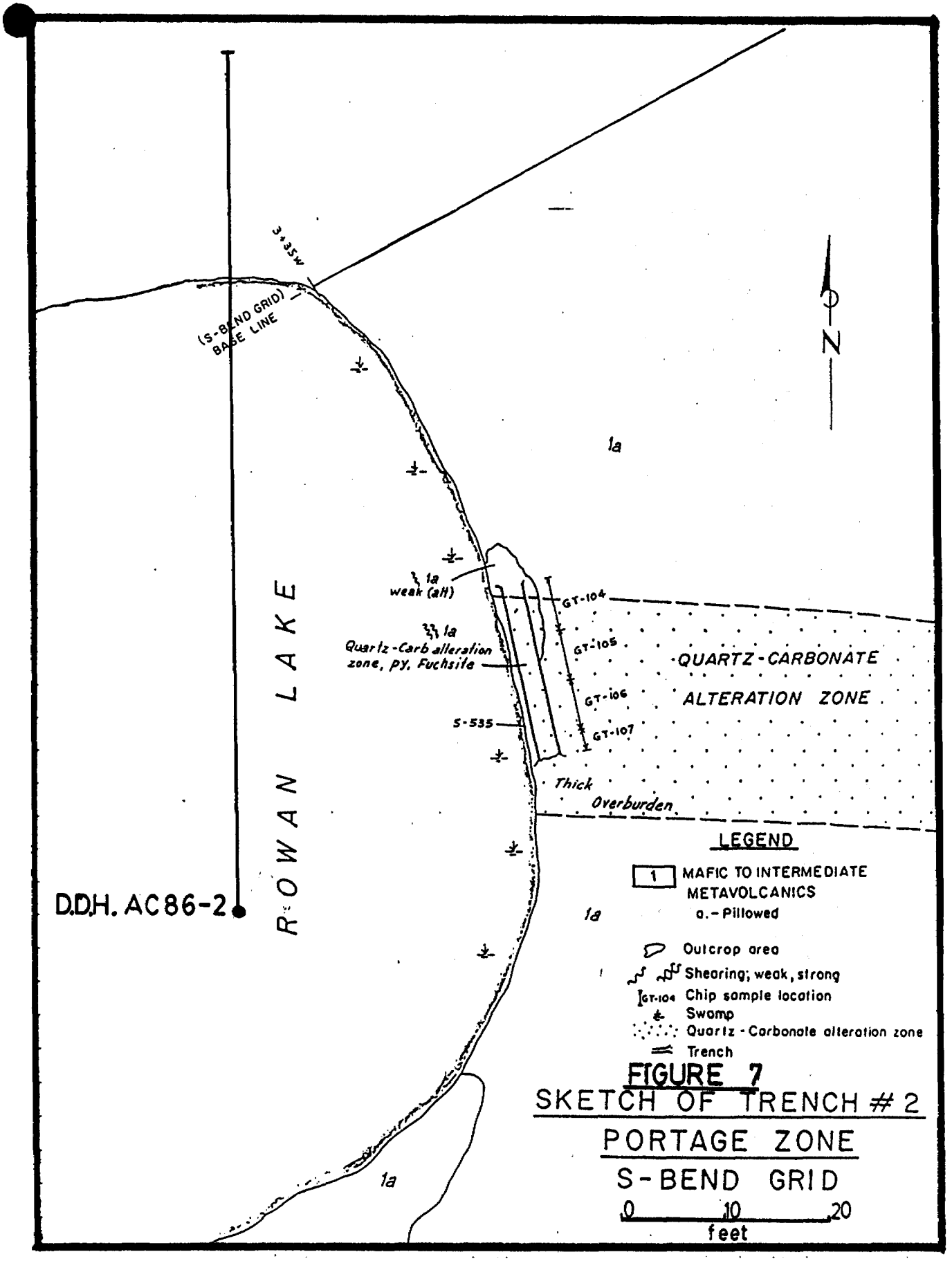


FIGURE 7
SKETCH OF TRENCH # 2
PORTAGE ZONE
S-BEND GRID

D.D.H. AC 86-3 AND D.D.H. AC 86-11 (FIGURE 8)

Hole 86-3 was drilled the breccia zone which had been investigated by three trenches (4A, 4B and 4C) by Sears (1984 a pp. 26-33). This well developed quartz-carbonate breccia zone has visually a remarkable resemblance to protions of the better mineralised zones at the Cameron Lake deposit. The best part of the zone is in excess of 70 feet long and is covered by the lake at the east end. Trench 4A, the most westerly trench, exposed a quartz stringer and pseudo-stockwork four feet wide surrounded by a strongly sheared quartz stringer-bearing zone. Chip samples were very interesting, with one three-foot sample running 1,445 ppb Au per tonne (0.046 oz/ton). The middle trench, 4B, returned 160 ppb. Hole AC 86-3 was drilled obliquely to the zone, in order to explore the area about trench 4A and to provide an exaggerated section. The best assays were obtained from a quartz-breccia zone from 163'06" to 171'02" which averaged 0.036 oz/ton over 80 inches. Hole AC 86-11 was drilled 50 feet East and 50 feet North of Hole AC 86-3 and was drilled southwards. The sections from 118'00" to 136'07" and 140'04" to 159'04" were visually the most similar in this program to the intersections from the ore bearing zones of the Monte Christo. Unfortunately, none of the sections gave assays better than 0.01 oz/ton, with all but one assaying at trace. This hole entered a fault zone from 192'10" and then the alteration died out rapidly.

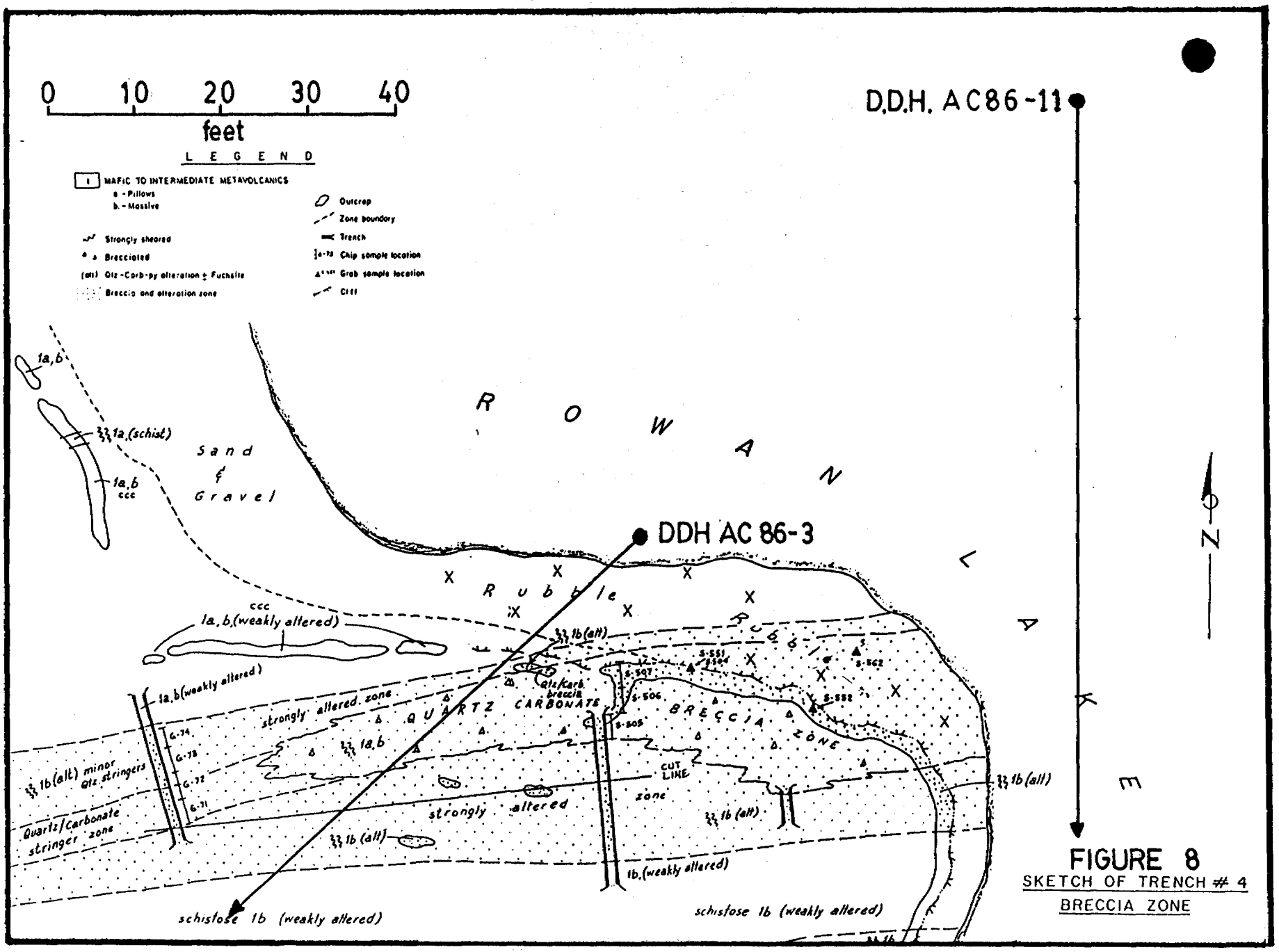


FIGURE 8
SKETCH OF TRENCH # 4
BRECCIA ZONE

D.D.H.'s AC 86-4, AC 86-7, AC 86-9 (FIGURE 9)

These three holes were drilled on the south shore of Loss Bay to investigate a major quartz-carbonate breccia zone. This zone was examined in some detail by Sears (1984 b pp 18-22). The zone trends 040° to 700 feet along the shore line, and appears to bend or break at 060° to a point 800 feet northeast. Only background valves in gold were obtained, though the alteration zone appears well developed. Sears shows the mineralogy to be quartz-carbonate-pyrite-chalcopyrite-green mica in a strongly sheared and brecciated zone. One trench sample showed anomalous values in copper (573 ppm) and silver (4.8 ppm). Hole AC 86-4 cut a very altered zone from 28'03" to 89'00" with numerous quartz veinlets, with much pyrite (4-15%) chalcopyrite and green mica. Numerous quartz veins and brecciated, silicified zones were encountered but the best assay obtained was 0.02 oz/ton Au.

Hole AC 86-7 was perhaps visually the best looking hole due to its well developed quartz veins, high pyrite content, good alteration and brecciation and large clots of chalcopyrite and green mica. The altered zone, encountered from 37'03" to 65'00" included a 6'06" wide vein from 40'00" to 46'06". To 60'00", the altered zone considered of quartz veinlets and clots, pyrite and green mica. Unfortunately, the zone assayed below detection level. A smaller second zone at 110'0" - 117'03" also did not assay above trace. Due to the excellent visual appearance of Hole AC 86-7, the drill was moved back 50 feet to drill Hole AC 86-9. The altered zone was encountered between 110'00" - 141'00", very similar to the zone in the previous hole. The best assay was 0.02 oz/ton Au, with an average of 0.013 oz/ton over 71 inches from 111'07" to 117'06".

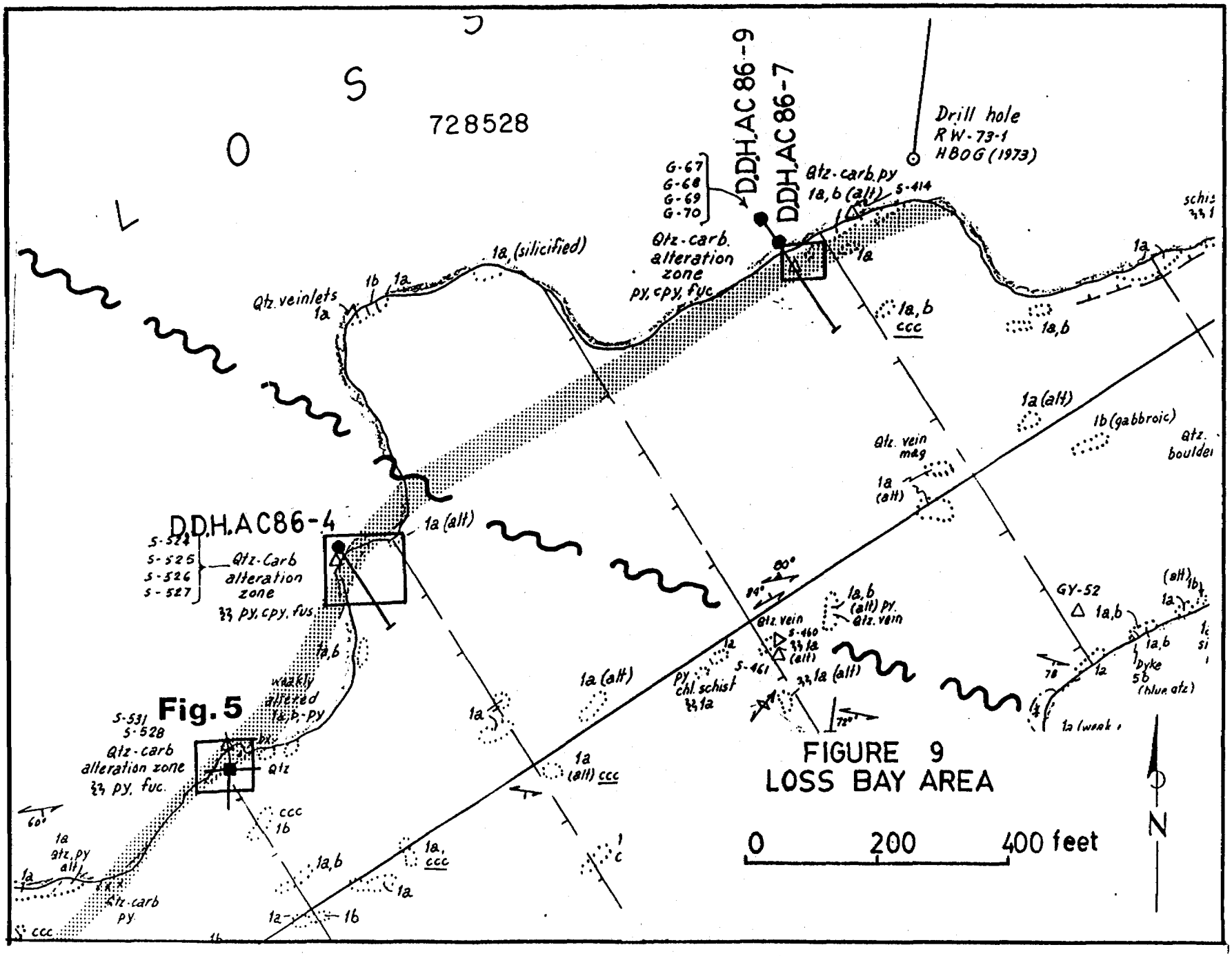


FIGURE 9
LOSS BAY AREA

D.D.H. AC 86-5 (FIGURE 10)

Hole 5 was designed to test the S-Bend Alteration zone (Sears, 1984a, pp. 22-24). This zone occurs within a sheared pillowed sequence and is just south of a swarm of felsic and porphyritic feldspar dykes. Quartz stringers and pseudo-stockwork are well developed within a highly sheared zone with quartz, carbonate, pyrite and sericite. This zone is approximately 50 feet wide and is exposed along the shoreline. Two trenches were blasted and provided some exposure form which chip samples were taken. These samples gave a high value of 15 ppb. Hole 5 encountered the dyke swarm between 23'00" to 118'07". Here it went through a basaltic unit with minor alternation zones until the unit was cut off by a major fault at 277'06" to 279'09". Major alteration zones were then encountered between 288'04" to 309'02" and 317'08" to 359'00" (end of hole). Pyrrhotite was encountered in this hole both disseminated and in clots. The hole did not give any assays above 0.01 oz/ton Au; nearly all the samples assayed trace.

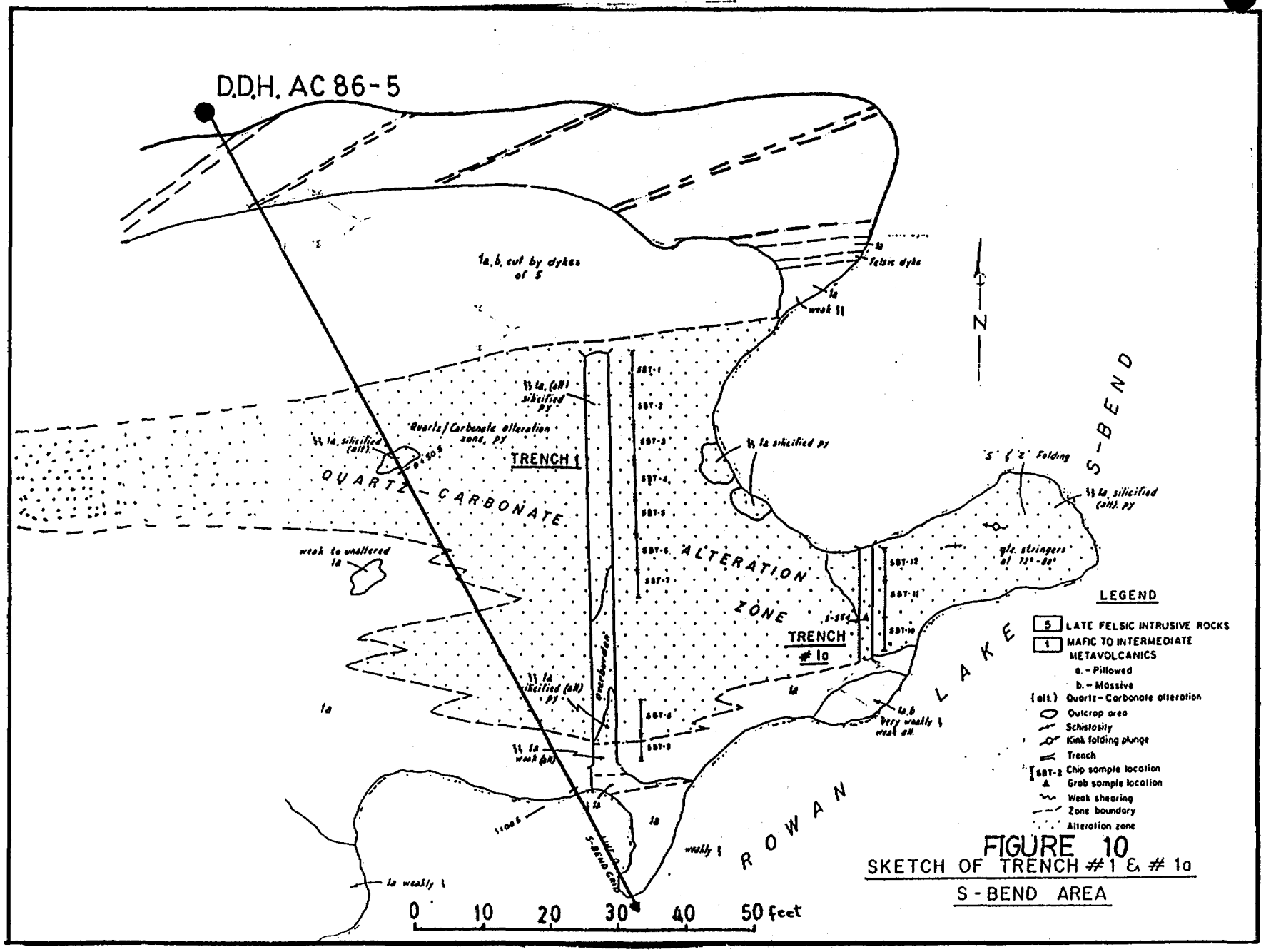


FIGURE 10
SKETCH OF TRENCH #1 & #1a
S-BEND AREA

D.D.H. AC 86-6 (FIGURE 11)

Hole 6 tested a quartz-carbonate zone at the north contact of gabbroic unit on the peninsula. Sears (1984a p. 33) describes it as typical of quartz-carbonate zones in the area. It has a very irregular boundary. At surface the central quartz-carbonate breccias occur as localised pods from a few inches to two feet. They are distributed within relatively narrow alteration envelopes (10 to 30 feet wide). Grab samples from the 'core' areas returned trace and 20 ppb gold.

Hole 6 encountered andesite rocks with minor basaltic pillow lavas between 18'00" to 163'10" before entering into a minor altered zone for 8'08". It then cut through varied andesitic rocks to the end of the hole at 300 feet. The sulphides present were pyrite and pyrrhotite with a possible trace of chalcopyrite. The core displayed only minor alteration and samples taken assayed trace values of gold.

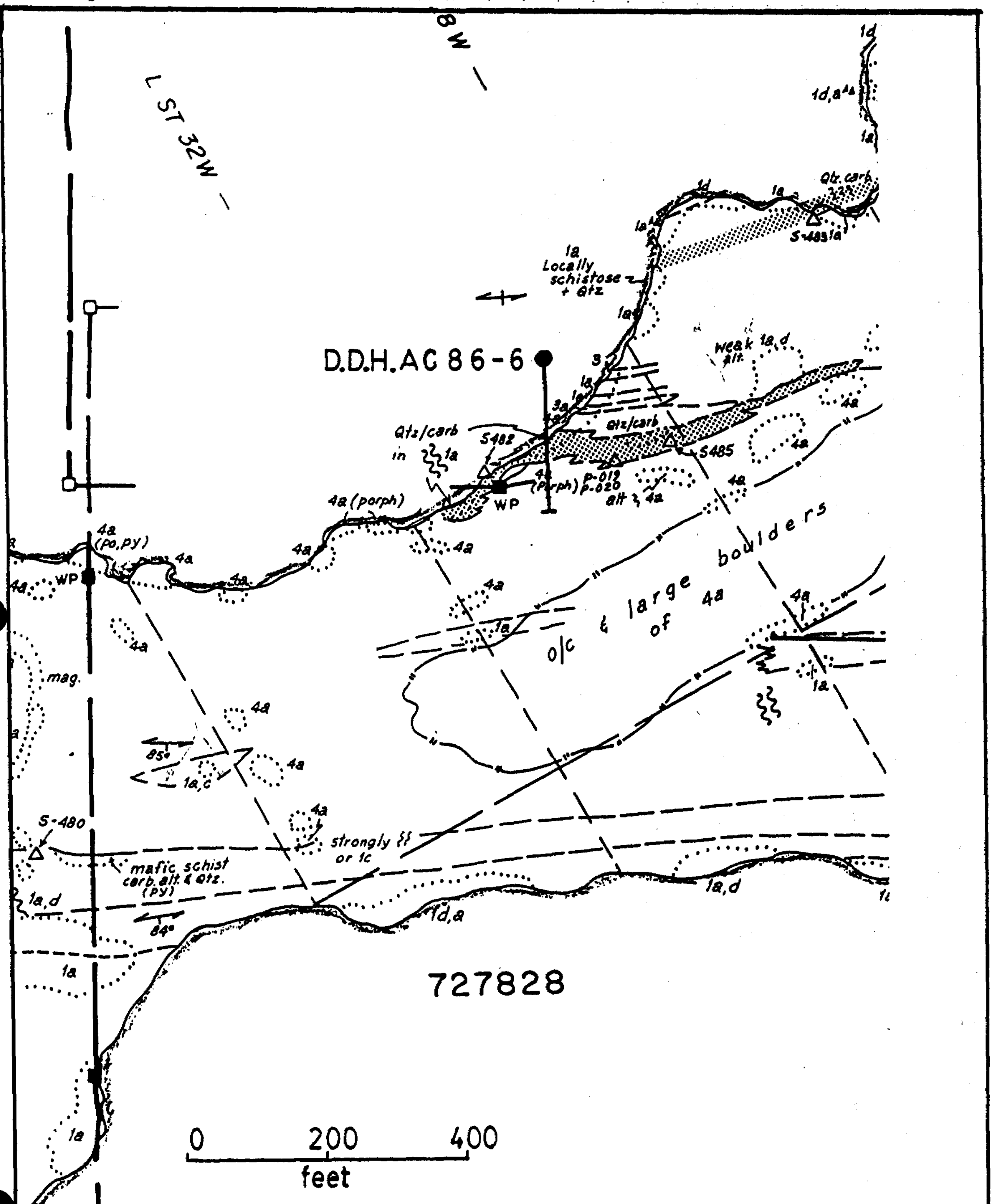

L ST 32W
D.D.H. AC 86-6
1a
Locally
schistose
+ Qtz
Qtz/carb
Weak 1a,d
alt.
S485
S482
WP
4a (porph)
4a
(po,py)
o/c & large boulders
of 4a
mag.
1a,c
S-480
strongly
or 1c
mafic schist
carb. alt. & Qtz.
(py)
1a,d
1d,a
727828
0
200
400
feet

FIGURE 11

D.D.H. AC 86-8 (FIGURE 12)

Hole 8 was drilled to test an alteration zone in the bay on the north shore of Bigstone Island, and also to provide a geological section between holes 3 and 11 on the east shore and Hole 1 on the south-west shore of the Island.

Hole 8 is somewhat interesting, and gave several 0.01 oz/ton assays. It encountered alternating tuff and sediments from 22'06" to 69'08" before going through an altered zone from 86'00" to 122'00". This altered zone appears to be a sheared pillow basalt with pyrite and pyrrhotite, the latter occuring in inter-pillow material in large clots. In the zone 7 samples (out of 18) ran 0.01 oz/ton, the others trace. The drill hole then encountered mixed volcanic/sedimentary rocks with pyrite and pyrrhotite before being terminated at 325'00". The hole flattened strongly and its dip changed from -45^{o} to -25^{o} at the bottom, making return of rods to the bottom unsafe.

Taken together, Hole 2, Hole 3 and Hole 8 confirm the presence of some better than trace values of gold in the central belt of Bigstone Island over a length of approximately 2,200. feet east-west. The trench samples at trenches 3 and 4a support the above conclusion.

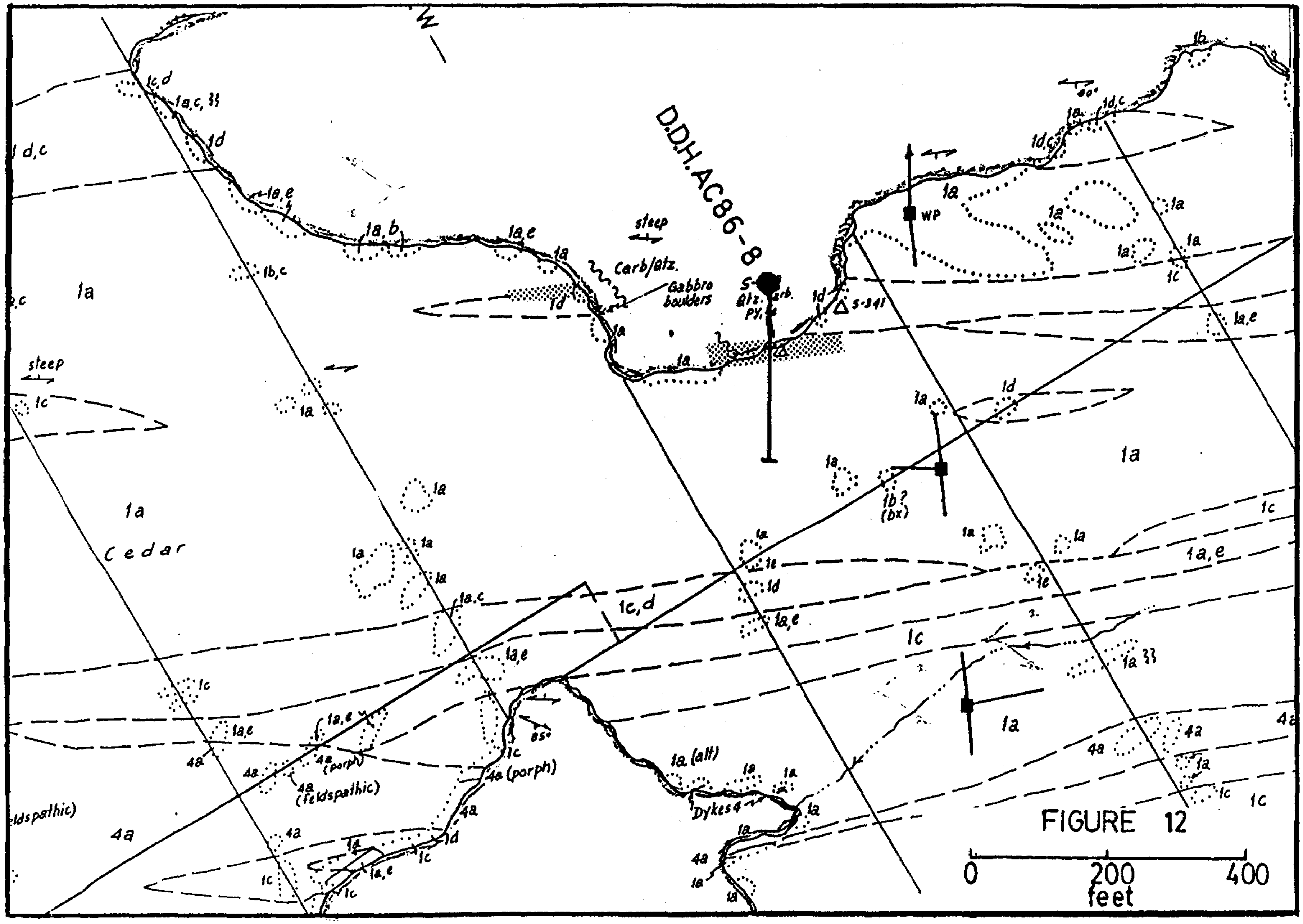

D.D.H. AC86-8
steep
Carb/qtz.
Gabbro boulders
S-341
WP
1a
1c
1d
1c,d
1a,e
1b?
(bx)
Cedar
4a (porph)
4a (feldspathic)
1a (alt)
Dykes 4
0
200
400
feet

FIGURE 12

D.D.H. AC 86-10 (FIGURE 13)

This hole was drilled to test an alteration zone on the north shore of the bay just north of the Patmour Showing. The drill hole encountered andesitic volcanic rocks from 20'00" to 77'09". It then passed through a zone of metasediments to 91'06" before going through mroe andesitic rocks to 110'01". Moderately, altered and brecciated rocks were encountered between 91'06" and 110'00" but the assays on this zone gave trace values except for one sample of 0.01 oz/ton Au.

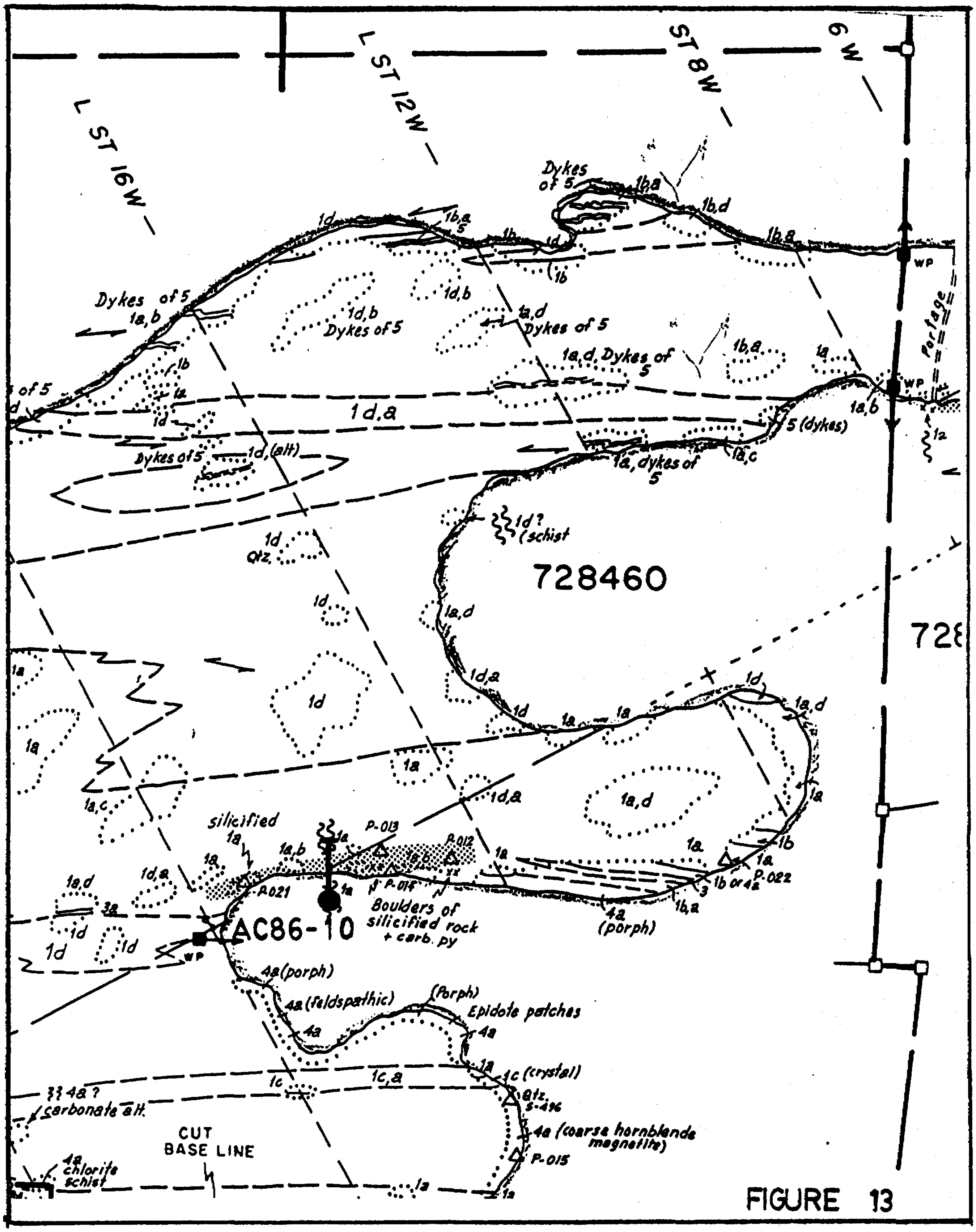

L ST 16W
L ST 12W
ST 8W
6 W
Dykes of 5
1b,a
1b,d
1d,b
Dykes of 5
1a,d
1a,d, Dykes of 5
1d,a
5 (dykes)
1a, dykes of 5
1d? (schist
728460
Portage
silicified 1a
P-013
P-012
P-021
P-014
P-022
Boulders of silicified rock + carb. py
AC86-10
4a (porph)
4a(porph)
4a (feldspathic)
(Porph)
Epidote patches
1c (crystal)
1c,a
4a?
carbonate alt.
CUT BASE LINE
4a chlorite schist
4a (coarse hornblende magnetite)
P-015
S-496

FIGURE 13

D.D.H.'s AC 86-12, AC 86-14 AND AC 86-15 (FIGURE 1.4)

These holes were part of six holes designed to test for extensions of the Palmour Showing to the west and to the east. However due to budget and time constraints, three of these holes were cancelled. Hole 12 was drilled to investigate the reported gold showing 500 feet west and 300 feet south of the Patmour Showing described in a Northern Miner article (October 16th, 1941). This was described as:

" a strong shear has been picked up and traced for some 300 feet. The Shear shows a width of seven or eight feet and carries quartz stringers. Visible gold has been panned from this showing. "

Hole 12 encountered andesitic volcanic rocks from 22'00" to 195'00", the end of the hole. Not much alteration or mineralisation was noted except between 45'08" - 50'00". No quartz veins were intersected, and the hole was judged to be barren.

Hole 14 was drilled 100 feet west of the western most drilling during the 1984 drill program (Kretschmar and Kretschmar, 1984). It was collared in gabbro (5'00" - 10'03"), went through basalt and entered a tuffaceous zone from 59'10" to 174'07" before entering a second gabbroic unit. The rocks traversed showed very poor alteration and no major quartz veins were encountered. Assaying of a silicified and brecciated zone from 153'10" to 155'05 gave trace values.

Hole 15 was drilled 500 feet west of Hole 14. It collared in an altered tuff from 5'06" to 22'00" before going through a basalt and then into a gabbroic unit from 120'08" to 143'00", the end of the hole. Seven examples taken from the tuff unit gave two 0.02 oz/ton Au assays and the rest, trace.

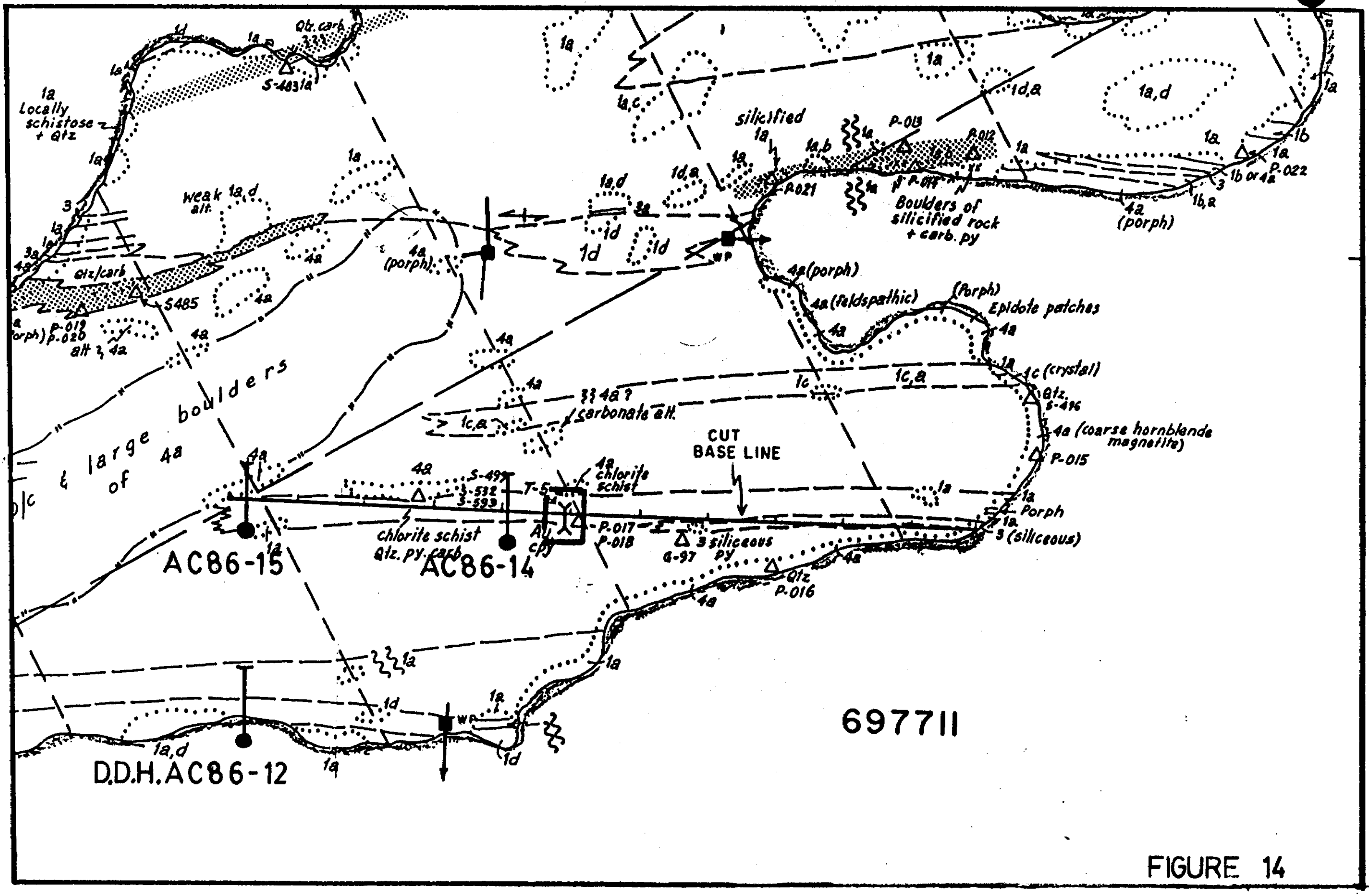

Locally schistose + Qtz
weak alt.
Qtz/carb
S-483
S485
P-019
P-020
4a (porph)
1d
1a,c
1a,d
1d,a
silicified 1a
1a,b
P-013
P-012
P-021
P-014
Boulders of silicified rock + carb. py
4a (porph)
1b or 4a
P-022
4a (feldspathic)
(Porph)
Epidote patches
1c (crystal)
1c,a
Qtz. S-496
4a (coarse hornblende magnetite)
P-015
4a ? carbonate alt.
& large boulders of 4a
CUT BASE LINE
4a chlorite schist
S-497
S-532
S-533
T-5
Au cpy
P-017
P-018
chlorite schist Qtz. py. carb
3 siliceous py
G-97
Qtz P-016
3 (siliceous)
Porph
AC86-15
AC86-14
WP
D.D.H. AC86-12
697711

FIGURE 14

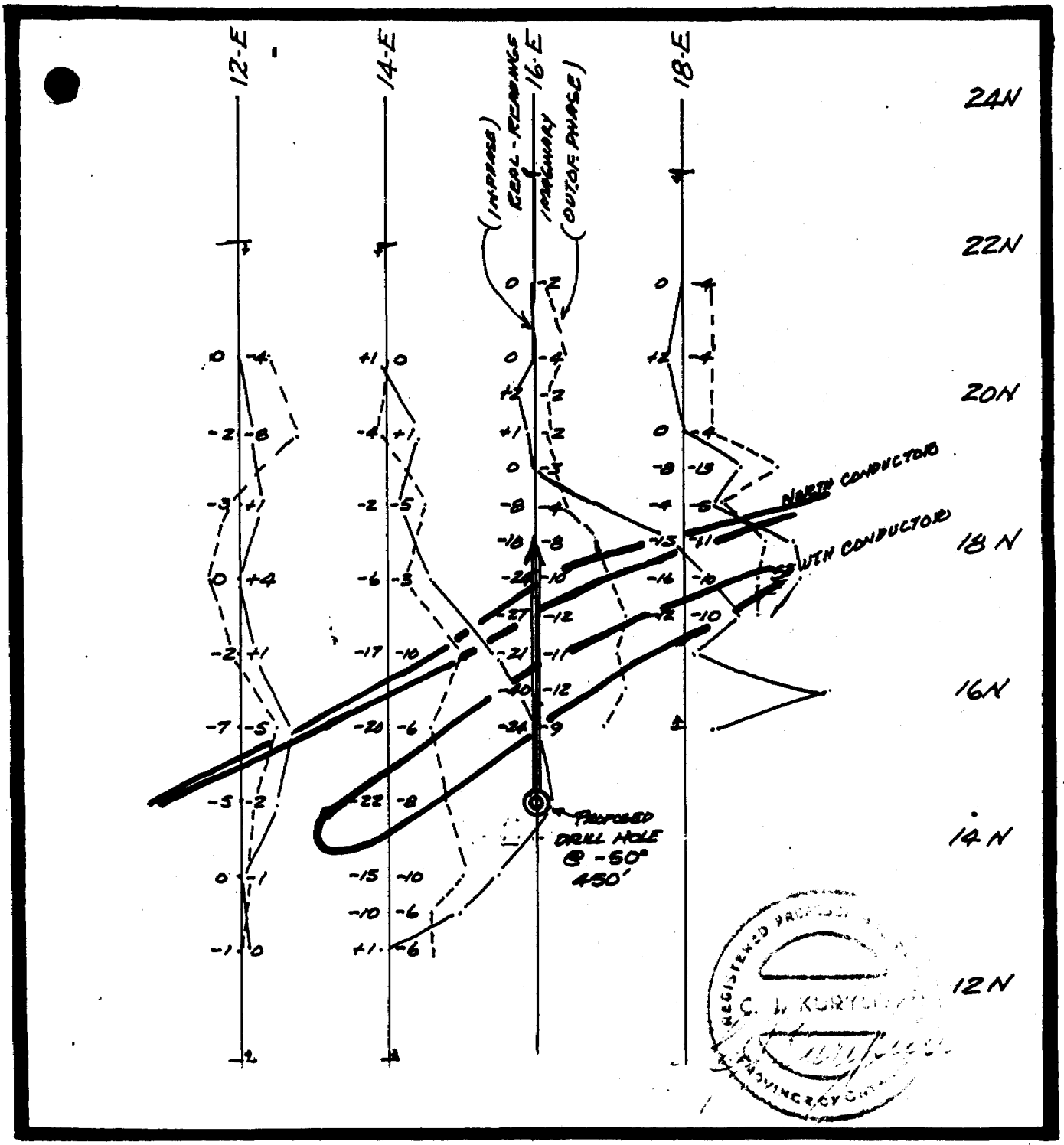
D.D.H. AC 86-13 (FIGURES 15 and 16)

In 1975 Hudson's Bay Mining Smelting conducted a reconnaisance program over the area of the claims and reported a 1000 foot long EM 17 conductor of moderate strength in the lake just north of the peninsula . Anglo-Canadian engaged the services of Mr. Chester Kuryliw, P.Eng. of Dryden, Ontario to relocate this conductor (figure 13 a). The conductor was defined to consist of two parallel zones of moderate values, and Mr. Kuryliw suggested that they were best explained as consisting of banded (but not massive) sulphide zones probably concordant with bedding - there was no magnetic correlation. He recommended a -50^{o} collared at 1450 North on line 16E for a length of 450 feet to the North.

Due to the presence of cliffs, the hole was collared at 1525 North on line 16E at -60^{o} and drilled for 600 feet. The geology of this hole was interesting. After collaring in andesitic volvancis at 9'00", the hole passed through three altered zones. These were:

1. 144'00" - 202'00" : grey altered zone + pyrrhotite + pyrite + sphalerite?
2. 395'07" - 414'06" : mixed sedimentary unit $\pm$ graphite + pyrrhotite
3. 535'11" - 564'00" : tuffaceous unit with pyrrhotite bands and pyrite.

The pyrrhotite occurred in disseminations, in blebs and in their massive units, locally up to 40% of the rock. It was arranged in layers generally concordant with the bedding. Sphalerite was observed though only minor. Extensive assaying to all sulphides zones gave trace values in gold. The conductive zones were explained by the presence of pyrrhotite and pyrite.



PLAN

HORIZONTAL LOOP E.M.-17 SURVEY, COIL SEPARATION=300'
For
ANGLO CANADIAN MINING CORPORATION
BIGSTONE OPTION, ROWAN LAKE, DISTRICT of KENORA, ONT.

PLAN SCALE: 1"= 200'
Profile Scale: 1"= 20%

Feb. 10, 1986. Chester J. Kuryliw

FIGURE 15

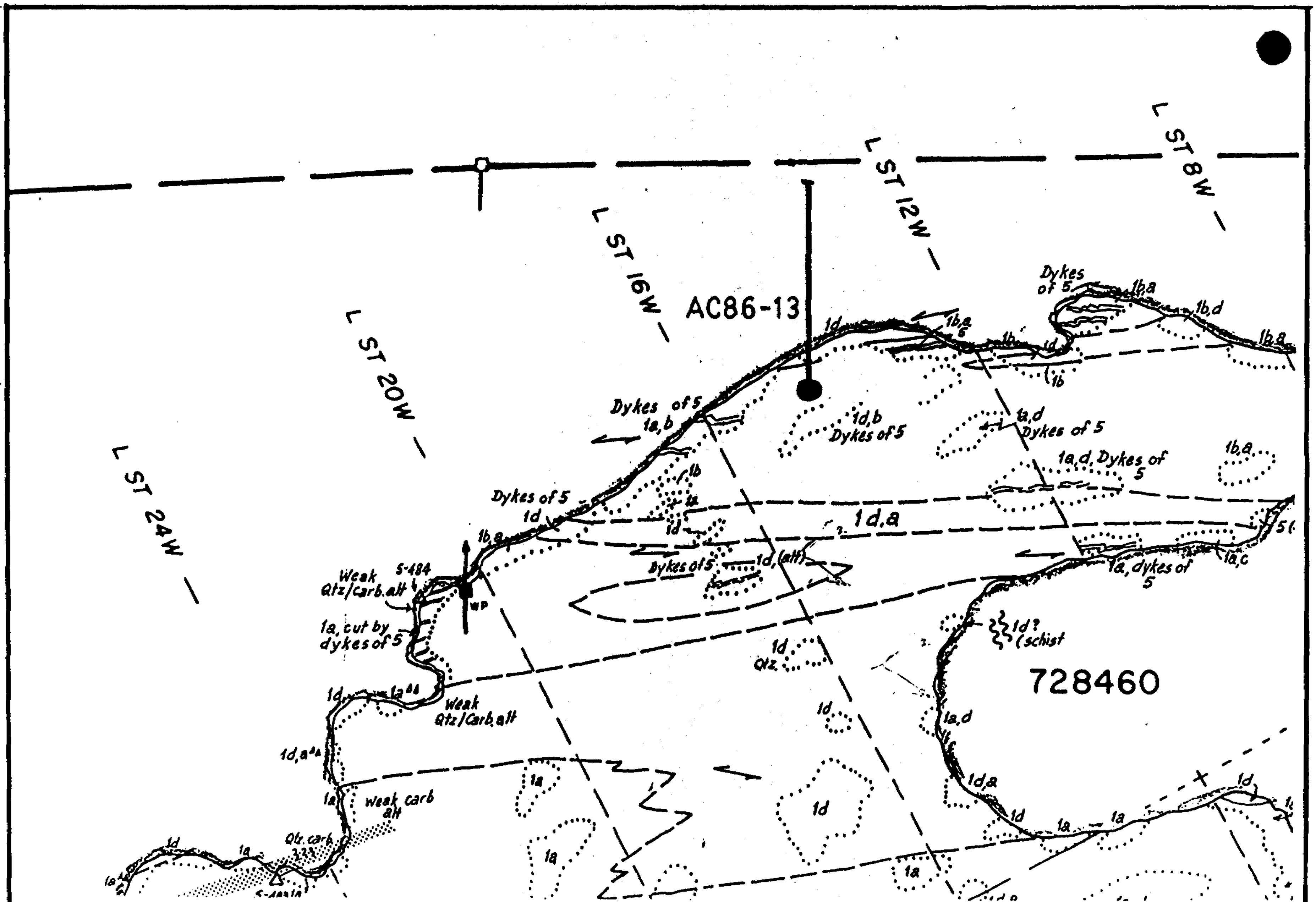

L ST 24W
L ST 20W
L ST 16W
L ST 12W
L ST 8W
AC86-13
728460
1d.a
Dykes of 5
Weak Qtz/carb.alt
S-484
1a, cut by dykes of 5
Weak Qtz/Carb.alt
Weak carb alt
1d? (schist
1a,d Dykes of 5
1d,b Dykes of 5
1a, dykes of 5

FIGURE 16

DISCUSSION OF RESULTS

The drilling program on the joint venture property at Rowan Lake intersected several geologically interesting alteration zones, visually very similar to the auriferous zones at the Nuinsco deposits at the Cameron Lake, Monte Christo and Victor zones in having the same alteration minerals and sulphide content. However, the gold content of these zones were extremely low, ranging from trace to 0.03 oz/ton and the program failed to identify any target for further indepth work.

Melling and associates (1984) propose that the gold mineralisation occurs at the intersection of cross-cutting structural features with the alteration zones, and it is possible that the alteration zones on the property may indeed have pipe-shaped ore-zones within them. These cross-cutting features may have been missed by the drill holes; experience at the Nuinsco deposits tends to show that the ore bodies have complex geometries that need much structural data. On this basis, some potential is seen for two areas on the property and further surface work may identify cross-cutting features that may guide further drilling:

1. the area of Bigstone Island between Holes AC 86-1 and AC 86-3, covering Hole AC 86-8. Several sections in these holes assayed 0.01 oz/ton or better and surface samples from trenches gave similar values. A careful and detailed surface mapping and sampling program may help select further targets within this zone.

2. the area of the Patmour Showing. The drill program here was curtailed due to time constraints. The presence of gold in quartz veins in any atypical setting for Cameron Lake area needs further work for explanation. A brief summer sampling and mapping program may help to select targets for drilling deeper and on strike extensions.

A short summer program on these zones is recommended, especially if the overburden drilling results of Nuinsco, Echo Bay and Silver Lake, east, west and south of the property indicate that the area of the claims may contain source(s) of gold found in the overburden samples.

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2741 Chesterfield Avenue
North Vancouver, B.C.
V7N 3M5

April 15th, 1986.

CERTIFICATE OF QUALIFICATIONS

I, Antonio M. de Quadros do certify that:

a) I have the following degrees in Geology

1.	B.Sc. Honours,	University of London	1964
2.	M.S.	U.C.L.A.	1968
3.	Ph.D	Nairobi	1972

b) I have worked in exploration geology in Canada since 1972 including for Union Carbide, Kerr Addison, Dolmage Campbell and Associates and Chinook Construction all of Vancouver, B.C., as well as an independent consultant.

c) I am a member of the following associations:

1. Member of the Canadian Institute of Mining and Metallurgy.
2. Fellow of the Geological Association of Canada.
3. Member of the Association of Professional Engineers of British Columbia.

d) I conducted the drilling program on Rowan Lake, and I was on the property for the duration of the program.

Respectfully Submitted,

15th April, 1986.

A.M. de Quadros, Ph.D., P.Eng.

2741 Chesterfield Avenue,
North Vancouver, B.C.
V7N 3MS

April 15th, 1986.

Mr. R. Kemeny, President,
Anglo-Canadian Mining Corporation,
713-744 W. Hastings Street,
Vancouver, B.C
V6C 1A5.

Dear Mr. Kemeny,

CERTIFICATE OF CONSENT

This letter is to authorise Anglo Canadian Mining Corporation and Bigstone Minerals Ltd. to use the appended report on diamond drilling at Rowan Lake, Kenora Mining Division, Ontario, January-February 1986, for any lawful purpose necessary, including filing with the regulatory authorities in Ontario (the Ontario Securities Commission and the Toronto Stock Exchange) and in British Columbia (the B.C. Superintendent of Brokers and the Vancouver Stock Exchange).

Yours sincerely,

A.M. de Quadros, Ph.D., P. Eng. (B.C.)

APPENDIX 1.

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE CLAIM K728555
HOLE NO. AC 86-1 LENGTH 136 FEET
LOCATION BIGSTONE ISLAND
LATITUDE 9+50N DEPARTURE 24+00W
ELEVATION ____ AZIMUTH N000° DIP -45°
STARTED 31 JAN 1986 FINISHED 01 FEB 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.00	-45°	N000°			
136.00	-45°				

HOLE NO. 86-1 SHEET NO. 1/2
REMARKS
CORE BQ
RECOVERY 98%
LOGGED BY Mel de Quadros

FOOTAGE FROM ft in	FOOTAGE TO ft in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Ag g/T	ASSAYS Au g/T	ASSAYS OZ/TON	ASSAYS OZ/TON
0.00	27.00	LAKE					VANGEOCHEM LABS, VANCOUVER			
27.00	28.05	OVERBURDEN Mixed boulders and clays								
28.05	52.00	INTERMEDIATE TUFF UNIT (ALTERED) Silicified and carbonatised, well folliated, with good cleavage. Thin quartz and calcite veinlets generally parallel to folliation. Cross cutting veinlets 1/16"-3/16" thick; parallel veinlets to 4". Light green colour, some sections cream due to bleaching. Traces of light green mica. Pyrite, disseminated ~ 2-5%.	13	901	28.05	31.00	0.3	n.d	n.d. = not detected	
				902		33.02	n.d.	n.d.		
				903		35.06	0.6	0.2		
				904		38.05	0.6	n.d.		
				905		41.00	0.3	n.d		
				906		42.06	0.3	n.d.		
				907		45.00	n.d.	n.d.		
				908		46.11	23"	0.3	0.2	
				909		49.00	25"	n.d.	0.3	
				910		50.00	12"	0.6	1.2	
				911		52.00		0.3	nd	
				912		55.00		n.d	n.d.	
				913		58.00		n.d.	n.d.	

Details:
28.05 – 31.00 : silicified, chloritic – Py 3%. Core Angle decreases from 32° to 45° at base
– 33.02 : increasing quartz content, paler
– 35.06 : pale, bleached, very siliceous, minor quartz veins. Core Angle 45°
– 41.00 : chloritic, less siliceous, more massive
– 42.06 : chloritic, siliceous; 2" quartz vein at 41.01-41.03
– 46.11 : dark green, less altered
– 49.00 : strong folliation, becoming increasingly bleached Core angle 45°; py in streaks and clots.
– 50.00 : very quartz rich; 2" quartz veinlets separated by chloritic sections. Quartz 65%, Py 5%
– 51.00 : decreasing alteration
– 52.00 : siliceous, pale green, core angle 48°

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE, CLAIM 428555

HOLE NO. AC 86-1 SHEET NO. 2/2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.		SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Ag g/T	ASSAYS Au g/T	ASSAYS OZ/TON	ASSAYS OZ/TON
52.00	83.10	INTERMEDIATE TUFF UNIT Dark to light green, unaltered, well folliated with minor calcitic and quartz veinlets. Pyrite 0.5 - 1%. Tends to become massive at base, indicating minor flows. Core Angle 43°-50°									
83.10	101.05	INTERMEDIATE TUFF UNIT (ALTERED) Alteration increasing towards base, with increasing carbonate and silica. Has banded appearance due to alternating light and dark green bands. Pyrite content 3-5%. Core Angle 50°. 99.00 - 101.00 : massive	13	914	91.00	94.00		CANCELLED			
				915		97.08		n.d.	n.d.		
				916		99.00		n.d.	0.3		
				917		101.05		n.d.	n.d.		
101.05	106.00	QUARTZ-CARBONATE BRECCIA Highly altered, with angular chloritic fragments in quartz - carbonate matrix; pyrite content 5%. Details: 101.05 - 102.11 : very brecciated, very siliceous (60%) - 103.09 : less broken - 106.00 : smaller fragments, chloritic		918	101.05	102.11		0.3	n.d.		
				919		103.09		0.3	n.d.		
				920		106.00		n.d.	n.d.		
106.00	110.00	INTERMEDIATE TUFF Green, well folliated, fine grained, similar to 52.00 - 83.10 above									
110.00	121.00	ALTERED TUFF Contact gradational above and below, core angle 50°									
121.00	136.00	ALTERED ZONE Silicified, carbonatised, light green to creamish. Minor quartz and pyritic veinlets; overall pyrite content 5-8%. Core Angle 45°. Details: 125.09 : 2" pveinlet with Quartz and Pyrite 130.06 - 131.00 : Four quartz-pyrite veinlets 131.00 : ½" quartz-pyrite veinlet 134.10 - 134.11 : quartz-pyrite veinlet		921	121.00	123.06		n.d.	n.d.		
				922		126.00		0.3	n.d.		
				923		128.06		n.d.	n.d.		
				924		131.00		n.d.	n.d.		
				925		133.06		n.d.	n.d.		
				926		136.00		0.6	0.2		
	136.00	END OF HOLE									

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE CLAIM 728558
HOLE NO. AC 86-2 LENGTH 122 FEET
LOCATION PORTAGE BAY NEAR S BEND NARROWS
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH N 000° DIP -45°
STARTED 02 FEB '86 FINISHED 02 FEB '86

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.00	-45°	N 000°			
122.00	-48°				

HOLE NO. AC86-2 SHEET NO. 1/2
REMARKS CORE BQ
RECOVERY 98%
LOGGED BY Mel de Quadras

FOOTAGE ft	FOOTAGE in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft	SAMPLE FOOTAGE in	SAMPLE TOTAL	ASSAYS Ag g/t	ASSAYS Au g/t	ASSAYS oz/ton	ASSAYS oz/ton
0.00	19.06	LAKE					VANGEOCHEM LABS VANCOUVER			
19.06	53.08	INTERMEDIATE TUFF UNIT Green, well-folliated rock with pervasive carbonate alteration, and numerous calcite veins and sulphide streaks. Pyrite overall 2-3%. Not silicified, fairly soft. Details: 20.00-22.00 : Pyrite 10%, in streaks 24.02-25.00 : harder, minor silicification, pyrite 3%, Core Angle 50° -53.08 : soft, no alteration. Core Angle 50°	13 927	20.00	22.00		0.6	0.2		
			928		25.00		0.6	n.d.		
			929		28.00		n.d.	n.d.		
53.08	122.00	ALTERED INTERMEDIATE TUFF UNIT Increasingly altered, lighter green with depth. Frequency of veining also increases with depth, consisting of quartz, calcite and quartz-calcite. Pyrite overall 4-6%, but concentrated in veinlets. Core Angles 45-50°. 53.08-56.00: well altered in patches, numerous qtz-calcite veinlets especially between 55.00-56.00 (30%) -60.06: minor alteration -70.06: bleached, light green, well folliated. Pyrite 10%. Qtz veinlets at 63.09-64.02 and 66.07-66.09 -76.09: decreasing alteration. Qtz veinlet at 72.01-72.03 -79.02: increasing alteration -82.00: quartz-carbonate breccia with quartz veins -90.00: light green, altered, with numerous small (1/8") quartz veinlets. Well folliated, Core Angle 45° -91.01: quartz-carbonate breccia -93.05: altered, well folliated -100.00: unaltered, dark green Qtz veinlets at 95.01-95.02 and 98.10-99.00	930	53.08	56.00		n.d.	n.d.		
			931	60.06	63.00		0.8	n.d.		
			932		66.06		0.6	n.d.		
			933		70.00	42"	0.3	0.3		
			934		73.00	36"	n.d.	0.6		
			935	76.00	79.02		0.6	n.d.		
			936		82.00		0.3	n.d.		
			937		86.04		0.3	0.2		
			938		89.00		0.3	n.d.		
			939		90.00		n.d.	n.d.		
			940		91.01		n.d.	n.d.		
			941		93.05		n.d.	n.d.		
			942	100.00	101.09		n.d.	0.2		

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC 86-2 SHEET NO. 2/2

FOOTAGE ft	FOOTAGE in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		100.00 - 101.09 : very siliceous, numerous veinlets, Pyrite 3% 101.06 - 101.09 qtz veinlet - 108.06 : unaltered - 112.06 : bleached, well folliated. Core Angle 50° - 122.00 : patchily altered, but appears barren. Numerous thin quartz veinlets, larger ones at 114.05 - 114.08 117.08 - 117.10 118.00 - 118.02								
	122.00	END OF HOLE.								

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE CLAIM Y28772
HOLE NO. AC 86-3 LENGTH 300 FEET
LOCATION
LATITUDE DEPARTURE
ELEVATION AZIMUTH N 225° DIP -45°
STARTED 04 FEB 1986 FINISHED 05 FEB 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0'00	-45°	N225°			
300'00	-40°				

HOLE NO. AC86-3 SHEET NO. 1/3
REMARKS CORE : Thinwall BDBQM
RECOVERY: 96.5%
LOGGED BY Mel de Quadros

FOOTAGE ft	FOOTAGE in	DESCRIPTION	SAMPLE NO.		SAMPLE FOOTAGE ft	SAMPLE FOOTAGE in	SAMPLE TOTAL	ASSAYS Au oz/ton	ASSAYS	ASSAYS oz/TON	ASSAYS oz/TON	ASSAYS
0.00	18.05	LAKE							ASSAYS BY		OKANSKI'S	
18.05	19.04	GABBRO BOULDER							CUSTOM FIRE ASSAY			
									COCHENOUR, ONTARIO			
19.04	56.03	PILLOW BASALT WITH TUFF LAYERS.										
		Green, unaltered to poorly altered, fairly massive with good lamination in part. Sulphide - poor, less than 2%. Minor quartz veinlets erratic in orientation. Details:										
		19.04 - 23.01: slight bleaching, core angle 30°										
		- 51.10: unaltered, massive										
		- 52.03: minor alteration, some brecciation										
		- 56.03: increasing alteration.										
53.03	73.06	MODERATELY ALTERED PILLOW BASALT										
		Similar to above but with increasing alteration and bleaching.										
		In part a quartz - carbonate Breccia. Pyrite 2-4%	13	943	60.00	63.04		tr		tr =	trace	
		56.03 - 60.00: minor alteration, core angle 30°		944		65.10		tr				
		-63.04: brecciated, with quartz veinlets		945		67.11		0.01				
		-65.10: numerous veinlets, 30% of rock		946		69.04		tr				
		-67.11: minor quartz		947		71.06		tr				
		-69.04: numerous qtz veinlets 50%, core angle 30°		948		73.06		tr				
		- 73'.06: moderately altered										
73.06	148.06	FLOW BASALT										
		Massive, unfoliated, dark green. Unaltered, minor calcite veining										
		Details:		949	90.00	92.09		tr				
		90.00 - 92.09: Pyrite clots, Py ~ 5-8%		950	106.03	107.06		tr				
		105.03 - 107.06: numerous quartz veins, Pyrite 5-8%		951	112.04	114.01		0.01				
		112.04 - 114.01: as above, core angle 30%										

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC 86-3 SHEET NO. 2/3

FOOTAGE ft	FOOTAGE in	FOOTAGE ft	FOOTAGE in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft	SAMPLE FOOTAGE in	SAMPLE TOTAL	ASSAYS Au oz/t	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
				114.01 – 124.00 : coarse, gabbroic - dyke?								
				– 139.06: tuffaceous, slight alteration, Core Angle 25°								
				– 148.06: coarse, gabbroic - dyke?								
148.06	163.06			ALTERED BASALTIC UNIT								
				Bleached, carbonatised, silicified and brecciated. With								
				clots, streaks and laminations of pyrite. Fine quartz –								
				carbonate and quartz-pyrite veinlets. Details:	13	952	150.00	151.10		tr		
				150.00 – 151.10 : bleached, banded, Pyrite 8%, Core Angle 30°		953		154.10		tr		
				– 154.10 : very bleached, silicified Pyrite 5%		954		157.10		tr		
				– 157.10 : coarse grained, brecciated. Pyrite 8%		955		159.05		tr		
				– 159.05: coarse, highly altered, Pyrite 6%. Core Angle 30°		956		162.00		0.01		
				– 163.06: less altered, well foliated. Pyrite 7%.		957		163.06		tr		
163.06	171.02			QUARTZ CARBONATE BRECCIA								
				Essentially a quartz vein with numerous angular inclusions.		958	163.06	166.06		tr		
				Disseminated Pyrite ~ 8%. Top and bottom contacts at		959		169.06	36"	0.04		
				45° to core axis.		960		171.02	20"	tr		
171.02	175.00			ALTERED ANDESITIC TUFF UNIT		961	171.02	173.02	24'	0.06		
				White to pale green, banded, very silicified. Quartz ~ 60%.		962		175.00		tr		
				Good foliation, Pyrite disseminated but also much								
				along foliation ~ 6-8%. Core Angle 30°		963	177.09	179.00		tr		
175.00	213.00			FLOW BASALT								
				Dark green, massive, with minor foliated sections. Pyrite 2%.								
				Minor quartz ± calcite veins. Core angle 30°.								
				177.09 – 179.00: well foliated – tuffaceous. Pyrite 10-12%								
				205.00 : banded, core angle 30°								
213.00				ALTERED ZONE								
				Carbonatised unit with muscovite, minor silica. Pyrite 4%								
				Rare quartz veinlets. Core Angle ~ 30°. Details:								

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC86-3 SHEET NO. 3/3

FOOTAGE ft	FOOTAGE in	DESCRIPTION	SAMPLE NO.	FOOTAGE ft	FOOTAGE in	FOOTAGE TOTAL	ASSAYS Au oz/t	%	OZ/TON	OZ/TON
		245.00-249.00: carbonate-quartz-sericite-green mica.-pyrite Pyrite 5-6%, Core Angle 30°	13 964	213.00	216.00		tr				
			965		219.06		tr				
		- 255.06: tuffaceous unit	966		221.00		tr				
		- 257.00: carbonate-quartz-sericite rock	967		224.04		tr				
		- 262.06: carbonate-quartz-sericite-chlorite-green mica trace chalco pyrite.	968		228.00		tr				
			969		230.10		tr				
		- 267.06: unaltered to moderately altered andesitic tuff. well banded, core angle 30°	970		233.00		tr				
			971		236.06		tr				
		- 276.00: well altered, carbonatised, pale green Core Angle 25°	972		240.00		tr				
			973		243.04		tr				
		- 278.07: very silicified, bleached, Core Angle 30°	974		245.00		tr				
		- 280.11: moderately altered tuffaceous bed.	975		248.00		0.01				
			976		251.06		tr				
280.11	300.00	ANDESITIC TUFF/FLOW UNIT Mixed tuff and flow unit, dark green, unaltered. Core quartz and carbonate veinlets. Core Angle 30°	977		254.06		tr				
			978		257.00		tr				
			979		260.00		tr				
			980		262.06		tr				
	300.00	END OF HOLE									
			981	267.06	270.06		tr				
			982		273.00		tr				
			983		276.00		tr				
			984		278.07		tr				
			985		280.11		tr				

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE - LOSS BAY CLAIM 728528
HOLE NO. AC 86-4 LENGTH 140 FEET
LOCATION
LATITUDE DEPARTURE
ELEVATION AZIMUTH N 135° DIP -45°
STARTED 03 FEB 1986 FINISHED 03 FEB 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.00	-45°	N135°			
140.00	-48°				

HOLE NO. AC86-4 SHEET NO. 1/2
REMARKS
CORE BQ
RECOVERY 96%
LOGGED BY Mel de Quadros

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.		SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Au oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
0.00	28.03	LAKE									
								PAULOSKANSKI COCHENOUR, ONT			
28.03	89.00	MIXED ANDESITIC ROCKS - ALTERED									
		Carbonatised and silicified mixed tuffaceous and massive volcanic rocks, pale grey, with zones of quartz veining and quartz-carbonate breccias. Details:	14	421	29.02	30.00		tr			
		28.03-29.02: massive, unaltered		422		35.00		tr			
				423		37.11		tr			
		-30.00: quartz vein, milky white, with sulphide lenses at base. Green mica?		424		39.02		0.01			
				425		40.00		tr			
		-37.11: hard, silicified, massive; Pyrite ~4% with minor quartz vein at 34.11-35.00		426		43.00		0.02			
				427		46.10		tr			
		-39.02: quartz-carbonate breccia, pyrite ~15% with chlorite clots, trace chalcopyrite, green mica.		428		50.00		tr			
				429		51.11		tr			
		-40.00: hard, silicified, minor veining. Pyrite 5%. trace chalcopyrite		430		55.00		tr			
				431		60.00		tr			
		-46.10: slightly folliated - tuffaceous. Fine Pyrite ~4%. silicified, carbonatised, with clots of Chalcopyrite. Core Angle 60°		432		65.00		0.01			
				433		70.00		tr			
				434		75.00		tr			
		-51.11: quartz-carbonate breccia, numerous small quartz veinlets and blebs. Very pyritic ~10%. Very chloritic folliation in tuffaceous sections, core angle 60°. Minor green mica.		435		80.00		tr			
				436		85.00		tr			
		-55.00: minor brecciation and quartz veining. Pyrite 4%									
		-86.00: fairly massive, silicified - flow unit?. Pyrite 4-6% rusty fractions at: 52.08 30° to core axis									
		53.06 90°									
		53.07 90°									
		62.06 30°									

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC 86-4 SHEET NO. 2/2

FOOTAGE ft	FOOTAGE in	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ. TON	
		63.05 90° to core axis 67.07 45° 72.11 30° 75.07 45° 85.00-89.00: decreasing to no alteration, trace pyrite.										
89.00	140.00	BASALTIC PILLOW UNIT Green, massive, largely pillowed, very minor carbonatisation. Sulphide content less than 1%; minor calcitic veinlets										
	140.00	END OF HOLE										

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE CLAIM 728784
HOLE NO. AC 86-5 LENGTH 350 FEET
LOCATION
LATITUDE DEPARTURE
ELEVATION AZIMUTH N 135° DIP -45°
STARTED 06 FEB 1986 FINISHED 07 FEB 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0'00	-45°	N135°			
300.00	-49°				

HOLE NO. AC86-5 SHEET NO. 1/4
REMARKS
CORE : Thinwall BDBQM
RECOVERY : 95%
LOGGED BY Mel de Quadros

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
0.00	23.00	LAKE									
23.00	26.06	WHITE FELSIC DYKE									
26.06	27.08	ANDESITIC TUFFACEOUS ROCK Fine grained, few coarse (1/4") pyrite xals. Core Angle 45°									
27.08	29.03	WHITE FELSIC DYKE									
29.03	30.07	ANDESITIC TUFFACEOUS ROCK									
30.07	33.08	WHITE FELSIC DYKE									
33.08	35.04	ANDESITIC TUFFACEOUS ROCK									
35.04	48.01	WHITE FELSIC DYKE									
48.01	52.04	ANDESITIC TUFFACEOUS ROCK									
52.04	55.01	INTERLAVA SEDIMENTARY ROCK? Volcanic derived sediments(?) with minor black/grey cherty bands. Very Pyrite ~ 15-20%, often coarse grained. Core Angle 50°									
55.01	61.00	ANDESITIC TUFFACEOUS ROCK									
61.00	65.09	PINKISH FELSIC DYKE									

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC 86-5 SHEET NO. 2/4

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Au oz/t	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
65.09	76.05	ANDESITIC TUFFACEOUS ROCK Minor quartz veinlets, Core Angle 75°					OKANSKI COCHENOUR, ONT.			
76.05	78.10	PINK FELSIC DYKE								
78.10	81.00	ANDESITIC TUFFACEOUS ROCK Numerous quartz veinlets with pyrite. Core Angle 75°								
81.00	82.04	PINK FELSIC DYKE								
82.04	84.10	ANDESITIC ROCK Bleached, Chloritic								
84.10	89.04	PINK FELSIC DYKE								
89.04	94.01	ANDESITIC TUFFACEOUS? ROCK Very altered, very siliceous. Chloritic. 40% Quartz, 5% Pyrite	13	986	89.04	94.01	tr			
				987	94.10	96.05	0.01			
94.01	94.10	PINK FELSIC DYKE		988	100.00	102.00	tr			
94.10	96.05	ANDESITIC TUFFACEOUS? ROCK As above; core angle 45°		989	102.00	105.00	tr			
				990	105.00	108.01	tr			
96.05	100.00	PINK FELSIC DYKE								
100.00	108.05	ANDESITIC ROCK As Above; Quartz 50%, Pyrite 4%								
108.05	114.06	ANDESITIC TUFFACEOUS ROCK Carbonatised, well banded, minor calcite partings								
114.06	118.07	GREY FELSIC DYKE								

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY DOWAN LAKE

HOLE NO. AC 86-5 SHEET NO. 3/4

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.		SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Au oz/t	%	OZ/TON	OZ/TON
118.07	277.06	PILLOW BASALT AND TUFF UNITS Green, fairly massive, chloritic with minor tuffaceous units laminated at 50° to core axis. Details: 137.00-140.06: minor quartz veining, fractures // to core axis 146.00-146.07: minor quartz veining 165.10-172.08: increasing pyrite ~5%, trace chalcopyrite? minor quartz-calcite-pyrite veinlets in matrix 172.08-175.06: dark green, massive, unaltered -177.01; thin quartz-calcite veinlets, tuffaceous, 50° to core axis -179.05: massive -182.10: well folliated, chloritic, core angle 60° -199.06: tuffaceous, well folliated, minor carbonate increasing bleaching, core angle 60° -209.00: moderate carbonatization, small quartz veinlets parallel to folliation. Pyrite 6% -209.03: quartz carbonate veinlets, pyrite & pyrrhotite 15% -277.06: Massive - pillows, moderate carbonatisation with silicified quartz-chlorite sections at 221.00-221.06, 237.11-239.06, 267.02-272.04. Core Angle 45°	13	991	169.00	170.00		tr			
				992		172.08		tr			
				993	199.06	203.06		tr			
				994		206.00		0.01			
				995		209.00		tr			
				996		210.00		tr			
				997	221.00	221.06		tr			
				998	237.11	239.06		tr			
			13	999	267.02	270.00		tr			
			14	000		272.04		tr			
277.06	279.09	FAULT ZONE Rusty gouge and fragments at 277.06. Filled in by hard coarse gabbroic dyke with rusty fractures at 90° to core axis.									
279.09	288.04	ANDESITIC TUFFACEOUS UNIT Pale green, trace pyrite. Core angle 45°									

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC 86-5 SHEET NO. 4/4

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.		FOOTAGE ft in	FOOTAGE ft in		ASSAYS Au oz/t	%	OZ/TON	OZ. TON	
288.04	309.02	ALTERED ZONE Well banded, altered tuffaceous andesite, green to grey, well carbonatised and silicified. Numerous quartz-pyrite-calcite veinlets, Pyrite overall 6-8%, tends to be in layers in partings. Core Angle 45°. Very minor brecciation.	14	401	288.04	290.00		tr				
				402		293.00		tr				
				403		296.00		tr				
				404		299.00		tr				
				405		302.00		tr				
				406		305.00		tr				
309.02	317.08	GABBROIC DYKE Coarse, minor banding		407		308.00		tr				
317.08	350.00	ALTERED ZONE As above, but with increasing pyrrhotite. Core Angle 50°. Pyrrhotite more than pyrite, often in thin bands (0.		408	317.08	320.00		tr				
				409		322.09		tr				
				410		325.09		tr				
		317.08-330.10: dark greenish-grey, chloritic		411		328.09		tr				
		-344.08: very bleached, sulphides in layers parallel to core axis. Altered - carbonate, quartz sericite		412		330.10		tr				
		-347.09: darker, less altered. Streaks and clots of pyrrhotite		413		333.10		tr				
				414		336.10		tr				
		-350.00: very altered quartz-carbonate rich. Pyrrhotite clots and layers at 348.06-348.08		415		339.04		tr				
				416		342.04		tr				
				417		344.03		tr				
				418		346.00		tr				
	350.00	END OF HOLE		419		347.09		tr				
				420		350.00		tr				

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE CLAIM 727136
HOLE NO. AC86-6 LENGTH 350FEET
LOCATION
LATITUDE DEPARTURE
ELEVATION AZIMUTH N 180° DIP -45°
STARTED 01 FEB 1986 FINISHED 08 FEB 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.00	-45°	N180°			
300.00	-49°				

HOLE NO. AC86-6 SHEET NO. 1/2
REMARKS
CORE: BDBQM 'Thinwall'
RECOVERY: 94%
LOGGED BY Mal de Quadros

FOOTAGE ft	FOOTAGE in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft	SAMPLE FOOTAGE in	SAMPLE TOTAL	ASSAYS Au oz/t	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
0.00	18.00	LAKE								
18.00	163.10	FLOW AND PILLOW BASALTS Green, fairly massive, with minor zones of poor alteration. Sulphide content 3-4%, generally disseminated but also as clots and in quartz-calcite partings. Approximately equal amounts of Pyrite and Pyrrhotite, with pyrrhotite tending to form larger clots and partings. Details: 18.00-29.00: unaltered, flow -40.00: slight alteration, numerous pyrrhotite clots, minor calcite veining -42.00: well foliated with chert and graphite, Core Angle 45° -46.00: pillows -54.00: Vesicular - flow top? -63.00: massive -66.06: pillows -68.00: hyaloclastite? pyrrhotite clots -72.00: tuffaceous - core angle 45° -76.00: pillowed -84.06: massive, flow -113.06: tuffaceous - foliated 45° to Core Axis -116.08: massive, flow -130.06: tuffaceous -132.00: vesicular -137.06: massive, minor quartz veining, pyrrhotite clots -160.00: massive, flow -163.10: massive, fractured, with quartz-calcite veinlets.									

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC 86-6 SHEET NO. 2/2

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Au oz/t	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
163.10	172.06	ALTERED METASEDIMENTS Bleached, well foliated unit, in part volcanic-derived. Details: 163.10-167.10: graphitic, very fissile, parting at 30° to core axis. Carbonatized, Pyrite ~2% - 167.11: very quartzy - 60%, with pyrite and trace chalcopyrite - 172.06: mixed sediments with tuff layers. Very foliated and fissile, graphitic. Largely unaltered.	14	466	163.10	165.10		tr			
				467		167.10		tr			
				468		169.10		tr			
172.06	243.00	BASALT FLOW AND PILLOWS Massive, green, unaltered, largely flow and pillows. Minor quartz and calcite veining. Pyrite trace. In parts vesicular. 237.00 - 243.00: somewhat tuffaceous, foliated, Core Angle 60°		469	243.00	245.00		tr			
243.00	247.06	ANDESITIC TUFF Well altered, well banded, numerous quartz veinlets. Pyrite 4% Quartz veinlets at 243.03 - 243.09 244.09 - 244.10 244.11 - 245.01									
247.06	350.00	MASSIVE BASALT Flow, massive green rock, with minor calcite veining. 270.06-271.09: tuffaceous, banded, Core Angle 60° 278.00-330.00: coarser grained, dyke? 338.00-340.00: core very broken - minor fault?									
	350.00	END OF HOLE									

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE - LOSS BAY CLAIM Y28528
HOLE NO. AC86-Y LENGTH 148 feet
LOCATION
LATITUDE DEPARTURE
ELEVATION AZIMUTH N135° DIP -45°
STARTED 07 FEB 1986 FINISHED 08 FEB 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.00	-45°	N135°			
148.00	-43°				

HOLE NO. AC86-Y SHEET NO. 1/2
REMARKS
CORE: BQ
RECOVERY: 96%
LOGGED BY Mel de Quadros

FOOTAGE ft	FOOTAGE in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft	SAMPLE FOOTAGE in	SAMPLE TOTAL	ASSAYS Au oz/t	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
0.00	27.00	LAKE								
27.00	27.10	OVERBURDEN					OKANSKI LOCHENOUR, ONT.			
27.10	37.03	FLOW BASALT Green, massive, trace pyrite and choko pyrite.								
37.03	65.00	ALTERED ZONE - QUARTZ VEIN Light grey, very silicified and carbonatised, very pyritic in parts.								
		37.03-40.00: grey, poorly folliated with large Xals of pyrite (3/16")	14	437	37.03	40.00	tr			
		-46.06: Quartz vein with volcanic inclusions		438		43.00	tr			
		Variable pyrite content 5% overall, green mica		439		46.06	tr			
		- 40.00-40.09: mixture of quartz and andesite, 6% Py, tr. CPy.		440		50.00	tr			
		-41.06: quartz vein, with green mica. 5% Py, tr Cpy.		441		52.10	tr			
		-41.09: Inclusion, Pyrite 30%, trace Cpy		442		56.10	tr			
		-43.10: quartz vein, Pyrite 4%, trace Cpy, Green Mica		443		57.00	tr			
		-45.02: inclusion, Pyrite 20%, trace Cpy		444		60.00	tr			
		-46.02: quartz-pyrite, 20%, trace Cpy, green mica								
		-50.03: altered tuffaceous? andesite, folliated. Silicified and carbonatised. Pyrite 6%								
		-52.10: very pyritic, many quartz nodules. Pyrite 20%, trace Cpy and green mica								
		-60.00: decreasing alteration, folliated 50° to CA. pyrite 5%								
		-65.00: minor alteration, flow basalt.								
		Minor Faulting - rusty coatings at 37.01 - 37.03 55.10 - 55.11 57.01.								

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC 86-4 SHEET NO. 2/2

FOOTAGE ft	FOOTAGE in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft	SAMPLE FOOTAGE in	SAMPLE FOOTAGE TOTAL	ASSAYS Au oz/t	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
65.00	110.00	BASALT massive, green flow basalt, with occassional clots of pyrite crystals (e.g. at 81.11-90.06) and quart veins (e.g. at 69.06-69.11) 99.10-95.03: coarse, dyke? 109.03-107.10: white quartz vein, clean, contact at 30°	14 445 446 447 448	107.03	110.00 113.00 115.06 117.03		tr tr tr tr.			
110.00	117.03	ALTERED ZONE - QUARTZ VEIN Mixture of quartz veins and very altered pyritic host rock. 110.00-110.05: milky to grey quartz vein, pyrite 3%, Cpy trace -110.10: quartz-chlorite, pyrite blebs, 5% -113.06: quartz vein, milky to grey. Pyrite 3% -114.04: mixed quartz and chloritised andesite - brecciated, Pyrite 8% -115.06: quartz vein, minor inclusions, pyrite 3% -117.03: altered andesite, silicified.								
117.03	130.00	BASALT massive, green - flow								
130.00	134.02	INTERMEDIATE DYKE Coarse								
134.02	148.00	ANDESITIC TUFF ROCK Banded, poorly altered, tuffaceous. Core Angle 45° 137.02-138.00: milky white quartz vein, Pyrite 1%								
	148.00	END OF HOLE								

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE CLAIM 728524
HOLE NO. AC86-8 LENGTH 325 FEET
LOCATION
LATITUDE DEPARTURE
ELEVATION AZIMUTH N 180° DIP -45°
STARTED 08 FEB 1986 FINISHED 10 FEB 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0'00	-45°	N 180°			
200'00	-40°				
300'00	-25°				

HOLE NO. AC86-8 SHEET NO. 1/3
REMARKS CORE : Thinwall BDBGM
RECOVERY: 93%
LOGGED BY Mel de Quadras

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Au oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
0.00	22.06	LAKE								
22.06	24.09	ANDESITIC TUFF Green, slightly banded, with blebs & streaks of pyrrhotite ~ 3%								
24.09	41.10	INTERLAVA SEDIMENTARY ROCK Grey to dark green, moderately cherty, foliated volcanic-derived sediment. Graphitic? Pyrite/Pyrrhotite ~ 2%								
41.10	66.07	ANDESITIC TUFF Slightly altered, pale green poorly foliated volcanic rock, with streaks and blebs of pyrite and pyrrhotite. Total sulphides ~ 2%. Core Angle 60°								
66.07	69.08	INTERLAVA SEDIMENTARY ROCK as above, largely derived from volcanics, core angle 60°								
69.08	86.00	MIXED ANDESITIC ROCKS As above, but mineralised with pyrrhotite rather than pyrite. 69.08-72.00: tuffaceous -73.10: very broken, crumbly. Rusty - Fault? -80.01: pillows with minor quartz veins. Core Angle 60° -81.03: sedimentary - grey, well foliated Core Angle 65° -83.00: tuffaceous -86.00: sedimentary - grey, volcanic-derived.	14	470 471 472 473	70.00	72.00 73.10 76.06 80.00	tr tr tr 0.01			

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC 86-8 SHEET NO. 2/3

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Au oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
86.00	122.00	ALTERED ZONE - PILLOW BASALT Moderately carbonatised and silicified. Sulphides 4-6%, largely pyrrhotite. Some fracturing healed by quartz. Numerous blobs and streaks of fine pyrrhotite & pyrite, generally parallel to foliation, but also around fragments. Appears pillowed. 103.00 - 104.00: massive pyrrhotite between pillows - 25% overall 107.00 - 108.00: tuffaceous?, foliated 65° to core axis - 122.00: pillowed - appears brecciated. Uneven alteration, minor siliceous zones.	14 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488	86.00	89.00 92.00 95.00 98.00 101.00 104.00 107.00 110.00 113.00 116.00 119.00 122.00 125.00 128.00 131.00		tr tr 0.01 0.01 tr tr tr 0.01 tr tr tr 0.01 tr 0.01 0.01			
122.00	143.09	MIXED VOLCANIC-SEDIMENTARY UNIT Well foliated, grey to grey-green with minor chert, and appears to have been originally mudstone / reworked tuff. Soft, brittle. Minor quartz-pyrite lenses. Sulphides disseminated, largely pyrite ~ 4%. Core Angle 60°								
143.09	161.10	INTERMEDIATE DYKE? Coarse grained chloritic unit, with numerous quartz veinlets parallel to foliation at 45° to core axis. In appearance a mottled green-yellow rock, due to moderate alteration. Pyrite 2%	489 490 491	147.00	150.00 153.00 156.00		tr tr tr			
161.00	179.10	MIXED VOLCANIC/SEDIMENTARY UNIT Volcanic derived tuffaceous sediments. Irregular foliation from 0° to 45° to core axis, due to soft sediment deformation or slumping. Moderate alteration, minor quartz veining. 161.10 - 170.00: mixed, erratic foliation - 174.00: largely tuffaceous. Minor quartz veining	492	170.00	174.00		tr			
179.10	202.10	BASALT FLOW Green, massive, unaltered								
202.10	220.00	GREY METASEDIMENTARY UNIT Fine grained, well foliated grey to grey green. Minor quartz veining. Some silicification at 207.07 - 208.00. Pyrite 4%.	493 494 495	215.00	217.00 220.00 222.00		tr tr tr			

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC 86-8 SHEET NO. 3/3

FOOTAGE ft	FOOTAGE in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft	SAMPLE FOOTAGE in	SAMPLE TOTAL	ASSAYS Au oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
		217.00-217.08: 40% Quartz, with Pyrrhotite 6% -222.00: minor alteration								
220.00	239.07	ANDESITIC VOLCANICS Green, well folliated largely tuffaceous unit. Becomes greyish towards base (graphitic?) Core Angle 60°								
239.07	243.03	GABBROIC DYKE Green, coarse								
243.03	309.03	MIXED TUFFACEOUS/SEDIMENTARY UNIT Greyish green, well folliated, volcanic-derived sediments with minor graphite. Very minor quartz veins (1/16") parallel to folliation, 50 Pyrite 2%	14	496	268.06	270.06	tr			
				497		273.06	tr			
		250.00-265.00: chloritised, core angle 45°		498	288.00	291.00	0.01			
		268.06-273.08: silicified, hard, green, minor fracturing, Pyrite 5% -275.08: grey - graphitic? -276.02: quartz vein, with pyrite on contacts. Pyrite 6% -300: core angle increases to ≈ 60° (probably caused by hole deviation								
309.03	325.00	ANDESITIC TUFFACEOUS ROCK Chloritised and carbonatised green rock, minor silicification. Pyrite = Pyrrhotite ~ 3% Total.								
	325.00	END OF HOLE STOPPED DUE TO EXTREME DEVIATION								

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE - LOSS BAY CLAIM K 728528
HOLE NO. AC 86-9 LENGTH 140 FEET
LOCATION
LATITUDE DEPARTURE
ELEVATION AZIMUTH N 135° DIP -45°
STARTED 09 FEB 1986 FINISHED 10 FEB 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.00	-45°	N135°			
140.00	-40°				

HOLE NO. AC86-9 SHEET NO. 1/2
REMARKS CORE BQ
RECOVERY 98%
LOGGED BY Mel de Quadros

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft-in	SAMPLE FOOTAGE TOTAL	ASSAYS Au oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
0.00	33.06	LAKE								
33.06	34.06	BASALT Green, massive								
34.06	42.00	ALTERED ZONE Grey to green-grey, silicified & carbonatised showing minor Brecciation healed with quartz. Pyrite 4%	14 449 450 451	34.06	36.09 40.00 42.00		tr tr tr			
42.00	110.00	BASALT PILLOW / FLOW Massive, green, unaltered. Hyaloclastite at 46.09 - 47.10 Minor pyritic bands at 103.00 - 103.02 107.06 - 107.08								
110.00	141.00	ALTERED ZONE WITH QUARTZ VEINS Carbonatised, silicified, partially brecciated mixed unit of chloritised andesitic tuffs and quartz veins. Contains Pyrite, Trace Green Mica and Trace Chalcopyrite. details: 110.00 - 110.07: minor alteration - 115.07: moderately altered, foliation 45° to core axis - 119.06: Quartz 60%, Pyrite 8-10%. Green Mica, Chalcopyrite trace; Foliation 45° - 127.00: moderate alteration, Pyrite 8% - 128.06: mixed quartz veins and pyritic chloritised host rock. Pyrite 6-8%, Trace Chalcopyrite, Green Mica. - 141.00: moderately altered, well foliated, green, with rare quartz veinlets. Pyrite 5%, Chacopyrite trace.	452 453 454 455 456 457 458 459 460 461 462 463	111.07	113.07 116.07 117.06 119.06 121.00 123.00 125.00 127.00 128.06 131.06 134.06 136.07		0.01 0.02 0.01 tr tr tr tr tr tr 0.01 tr tr			

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC 86-9 SHEET NO. 2/2

FOOTAGE ft	FOOTAGE in	DESCRIPTION	SAMPLE NO.	SAMPLE	SAMPLE FOOTAGE ft	SAMPLE FOOTAGE in	SAMPLE TOTAL	ASSAYS Au oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
			14	464	136.07	138.00		tr			
				465		141.00		tr			
140.00	170.00	BASALT FLOW Massive, unaltered, flow rocks. Minor calcite veining									
	170.00	END OF HOLE									

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE CLAIM K128460
HOLE NO. AC 86-10 LENGTH 120 FEET
LOCATION
LATITUDE DEPARTURE
ELEVATION AZIMUTH N000° DIP -45°
STARTED 11 FEB 1986 FINISHED 13 FEB 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.00	-45°	N000°			
120.00	-40°				

HOLE NO. AC86-10 SHEET NO. 1/2
REMARKS
CORE - BQ
RECOVERY - 95%
LOGGED BY Mel de Quadros

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Au oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
0.00	20.00	LAKE								
20.00	77.09	ANDESITIC VOLCANIC ROCKS Green, slightly carbonatised, massive and foliated, flow and tuffaceous rocks with minor sedimentary (shale) beds. Pyrite content ~2%. Details: 20.00-37.10: massive andesite 37.11: quartz vein, conformable ~50° to core axis 41.01: grey carbonatised shale, well foliated. 45° to Core Axis 41.07: Vesicular andesite 42.00: massive andesite 42.10: Vesicular andesite, with pyrrhotite 45.05: massive andesite, 45.11: banded shale, white, green, core angle 45° 66.08: tuffaceous andesite. minor pyrrhotite streaks and disseminated pyrite. Core Angle 50° 77.09: massive, green, becoming grey green in patches.								
77.09	91.06	METASEDIMENTS Grey, grey green, occasionally buff, carbonatised sedimentary rocks, in part mudstone and in part derived from tuffaceous units Minor chert bands. Pyrite 2%, Core Angle 45°. Details: 77.09-82.08: dark grey, fine grained, slight banding 84.11: green, tuffaceous 85.04: banded, grey & buff, with cherty bands 88.02: grey to dark grey, fine grained, fissile 88.07: pyritic 5% 91.06: dark grey, fine grained, fissile.								

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY Rowan lake

HOLE NO. AC 86-10 SHEET NO. 2/2

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS				
			NO.		FOOTAGE			Au				
ft in	ft in				ft in	ft in	TOTAL	oz/ton	%	oz/TON	oz/TON	
91.06	110.10	ANDESITIC Green, well foliated, moderately altered (carbonitisation). Pyrite generally fine disseminated with few large cubes (1/16") Overall 2%. Core angle 50°, details 91.06-100.00: tuffaceous, alteration mainly carbonate -100.10: brecciated; healed by calcite veinlets -110.10: tuffaceous, moderately altered with carbonate	13	801	91.06	94.06		tr				
				802		97.06		tr				
				803		100.00		tr				
				804		101.06		tr				
				805		104.06		tr				
				806		107.06		tr				
				807		110.00		0.01				
110.10	120.00	ANDESITIC DYKE? Coarse, gabbroic, massive, unfoliated. 118.09-119.02: quartz-chlorite vein/breccia. Pyrite ~ 1%										
	120.00	END OF HOLE										

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE CLAIM 728742
HOLE NO. _____ LENGTH 300 FEET
LOCATION _____
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH N180° DIP -45°
STARTED 11 FEB 1986 FINISHED 13 FEB 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0'00	-45°	N180°			
300.00	-40°				

HOLE NO. AC86-11 SHEET NO. 1/3
REMARKS CORE: Thinwall BDBQN
RECOVERY: 96%
LOGGED BY Mel de Quadros

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.		SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE TOTAL	ASSAYS Au oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
0.00	32.00	LAKE									
32.00	35.11	GRANITE – BOULDER?									
35.11	118.00	ANDESITIC TUFFACEOUS UNIT Green, tuffaceous well folliated carbonatized rock, with minor zones of silicification. Pyrite content variable, tending to be in streaks and partings, overall 3%. Core angle changes from 60° at top to 45° at 40 feet. Details: 35.11-51.00: well folliated, minor pyrite, core angle 50° -68.00: green, chloritized with minor silicified zones. hyaloclastite? layers. Pyrite 4-5% -80.02: massive, pillow lava. Pyrrhotite around pillow margins especially at 68.00-74.00 and 74.06-75.04. Folliation 50° to core axis. -85.06: well folliated. Core angle 45° -95.09: massive ~ pillows? -99.06: well folliated, tuffaceous -118.00: Massive, flow unit	13	808 809 810 811 812 813 814 815 816 817	81.00	54.00 57.00 60.00 63.00 66.00 69.00 71.00 74.00 77.00 80.00		tr tr tr tr tr tr tr tr tr tr			
118.00	137.07	ALTERED ANDESITIC TUFFACEOUS UNIT Well folliated, pale to light green, sericitic carbonatised rock, becoming increasingly silicified towards base. Minor sedimentary beds. Pyrite content increases from 2% at top to 5% at base. Core angle 45° 118.00-123.00: massive, fine grained, poorly folliated, Pyrite 2% -130.00: coarse, folliated, Pyrite 3-4% -135.00: sugary texture, pyrite 5%, well folliated at 45° -135.06: banded, Pyrite 10%		818 819 820 821 822 823 824 825	118.00	121.00 124.00 127.00 130.00 133.00 135.00 136.00 137.00		tr tr tr tr tr tr tr tr			

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC 86-11 SHEET NO. 2/3

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.	FOOTAGE ft in	FOOTAGE ft in	TOTAL	ASSAYS Au oz/ton	%	OZ/TON	OZ/TON
		135.06-135.08: black shale, very pyritic 25% -135.11: tuffaceous, pyrite 5% -136.00: black shale, very pyritic 30% -137.07: tuffaceous, pyrite 4%, Core Angle 45°								
137.07	140.04	BLACK SHALE Well folliated, black graphitic pyritic rock, fissile, brittle, carbonatised. Pyrite 15%	13 826 827	137.07	139.05 140.04					
140.04	151.05	ALTERATION ZONE - QUARTZ VEINS Hard, brittle, pale green silicified chloritised unit, tuffaceous with minor carbonate. Minor green mica. Details:	828	140.04	141.04		tr			
		140.04 - 141.04: transitional zone, Pyrite 5%. Core Angle 45°	829		142.02		tr			
		-143.02: quartz vein / breccia with green mica. Quartz 40%, Pyrite 4%	830 831		145.01 147.06		tr tr			
		-145.01: mixed tuffaceous rock and quartz veins. partially brecciated. Pyrite 6%	832 833		150.00 151.05		tr 0.01			
		-147.06: as above, but less quartz - 15% -150.00: silicified, folliated tuff. Pyrite 8%. Core Angle 45° Quartz veins at 149.06 - 149.08 149.09 - 149.10 - white								
		-151.05: transitional zone, decrease in chlorite, rock becoming greyish. Pyrite 3%								
151.05	159.04	GREY SILICIFIED ZONE Hard, silicified with minor carbonate. Well folliated 45-50°.	834	151.05	154.00		0.01			
		Minor quartz veins at 151.05 - 151.10 Pyrite 4%	835		157.00		tr			
		152.03 - 152.04	836		159.04		tr			
		152.05 - 152.06	837		162.00		tr			
		and 153.07 - 153.08	838		164.02		tr			
164.02	182.03	ANDESITIC FLOW UNIT Green, massive, unaltered with minor carbonate Py 2%.								
		Becoming bleached below 180.03 and silicified below 181.03	839	181.00	182.03		tr.			

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC 86-11 SHEET NO. 3/3

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Au oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
182.03	192.10	METASEDIMENTS Black, carbonatised well folliated 'Black Shale'. Brittle, very fissile; partly bleached. Pyritic. Details: 182.03 - 185.00: Bleached, broken, large pyrite nodules 4%. pink quartz vein at 183.07 - 183.10. Core Angle 45° -190.06: Black, fissile, well folliated with large pyrite clots at 186.08 - 187.10. Pyrite overall 6%. Core Angle 45° -191.04: pale grey, silicified. Pyrite 3% -192.04: black 'shale'. Pyrite 8%. Core Angle 45° -192.10: pale grey, silicified. Pyrite 3%	13 840 841 842 843	182.03 	185.00 188.00 190.06 192.10		tr tr tr tr			
192.00	193.00	FAULT ZONE								
193.00	202.30	ALTERED ANDESITIC ROCKS Silicified, carbonatised, pillows mainly. Pyrite 3-4% 193.00 - 195.06: broken; old fractures healed by quartz -196.00: banded, grey -196.10: pillows -202.30: tuffaceous sediments. Minor cherty bands. becomes less siliceous towards base. Pyrite 4%, Core Angle 45°	844 845 846	193.00 	195.06 198.06 201.80		tr tr tr			
202.30	300.00	MIXED BASALTIC FLOWS AND TUFFS Dark green, unaltered rock. Foliation at 45°. Pyrite 2%. 234.06 - 235.09: broken - 236.02: bull quartz 255.05 - 295.00: massive, flow - 296.05: tuffaceous, quartzy, Pyrite 6% - 296.06: grey quartz vein with chlorite - 297.03: tuffaceous - 297.10: quartz vein / breccia - 300.00: banded, minor quartz veins (1/2")	847 848 849	295.00 	297.00 299.00 300.00		tr 0.01 tr.			
	300.00	END OF HOLE								

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE CLAIM 427828
HOLE NO. AC86-12 LENGTH 195 FEET
LOCATION
LATITUDE DEPARTURE
ELEVATION AZIMUTH N000° DIP -45°
STARTED 14 FEB 1986 FINISHED 14 FEB 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.00	-45°	N000°			
195.00	-45°				

HOLE NO. AC86-12 SHEET NO. 1/1

REMARKS CORE BQ
RECOVERY 94%

LOGGED BY Mel de Quadros

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.		SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Au oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
0.00	22.00	LAKE									
22.00	195.00	ANDESITIC TUFFACEOUS UNIT Green, well foliated, erratically carbonatised rock. Pyrite 2%. Foliation 50°. Fairly uniform. 45.08-50.00: highly carbonatised, minor brecciation, with swirling foliation - sedimentary?	13	850 851	45.08	47.00 50.00		tr tr.			
		80.00-80.05: minor quart veining. Core Angle 50°									
		Minor chloritic bands at 166.10-167.10 181.04-181.05 181.08-181.10									
	195.00	END OF HOLE									

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE CLAIM K428460
HOLE NO. AC86-13 LENGTH 600 FEET
LOCATION
LATITUDE DEPARTURE
ELEVATION AZIMUTH N000° DIP -60°
STARTED 15 FEB 1986 FINISHED 17 FEB 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0'00	-60°	N000°			
300'00	-58°				
600'00	-55°				

HOLE NO. AC86-13 SHEET NO. 1/4.
REMARKS
CORE 'Thinwall' BDBGN
RECOVERY 98%
LOGGED BY Mel de Quadros

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Au oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
0.00	9.00	OVERBURDEN								
9.00	144.00	BASALT Flow basalt with minor tuffaceous units. Details: 9.00 – 11.09 : massive, flow – 12.02 : very broken – 15.06 : massive – 18.00 : tuffaceous, very foliated, fissile. Rusty Fractures. 10% Pyrite, minor alteration – 20.09 : foliated, carbonatised. 6% Pyrite, core angle 30° – 37.01 : foliated, tuffaceous, minor (1%) Pyrite. – 45.06 : massive, unfoliated – 48.04 : Quartz-eye Porphyry dyke, contacts at 20° – 70.05 : massive Pyrite nodules at 54.06-55.02 – 72.05 : foliated, tuffaceous, core angle 30° – 74.04 : Quartz-eye Porphyry – 77.01 : foliated, tuffaceous, core angle 30° – 79.11 : Quartz-eye Porphyry – 96.10 : grey, foliated tuffaceous sediment. Silicified. 2% Pyrite – 116.10 : green, tuffaceous, well foliated core angle 20° – 144.00 : massive.	13	852 853	15.06	18.00 20.09		tr 0.01			
				854 855	88.00	90.00 92.00		tr tr			
144.20	202.00	GREY ALTERED ANDESITIC TUFFACEOUS ROCK Well foliated, tuffaceous, carbonatised, often cherty, with variable pyrite content. Core Angles 30°. Details:								

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC86-13 SHEET NO. 2/4

FOOTAGE ft	FOOTAGE in	FOOTAGE ft	FOOTAGE in	DESCRIPTION	SAMPLE NO.	FOOTAGE ft	FOOTAGE in	FOOTAGE ft	FOOTAGE in	TOTAL	ASSAYS Au oz/ton	%	OZ/TON	OZ/TON
		144.00		well folliated, core angle 30°	13	856	144.00	145.06			tr			
		-147.00		cherty, massive		857		147.00			tr			
		-153.00		cherty, well folliated; 5% Pyrite		858		150.00			tr			
		-157.06		less altered,		859		153.00			0.01			
		-161.06		bands of pyrite and pyrrhotite; 6% Sulphides, Zn?		860		156.00			tr			
		-168.08		massive		861		157.10			tr			
		-171.09		bands of pyrite and pyrrhotite; 7% Sulphides, Zn?		862		160.00			tr			
		-175.01		fairly massive, cherty, minor brecciation		863		161.06			tr			
		-176.09		very cherty 4% Pyrite		864		165.00			tr			
		-180.00		Quartz-Carbonate-Breccia; 6% Pyrite, trace Pyrr.		865		168.06			tr			
		-191.05		poorly altered, tuffaceous. Increasing Pyrrhotite content in thin bands towards the base ~ 3% C.A 30°		866		171.09			tr			
		-194.01		moderately silicified, pyrrhotite between 192.00-190.06. Overall Sulphides 5%		867		174.00			tr			
		-196.06		grey, fine grained carbonatized. Well folliated at 30° Sulphides 1%		868		175.04			tr			
		-197.06		Quartz veining 60%, with chlorite and pyrrhotite 4%		869		176.09			tr			
		-202.00		well folliated tuffaceous sedimentary rock. Pyrite 1%, Pyrrhotite 2%, Core Angle 30°		870		180.06			tr			
202.00	235.06			TUFFACEOUS SEDIMENTARY ROCK (WACKES?) Grey, patchily carbonatised, poorly folliated. Pyrite 1%, Core Angle 30° Minor tuffaceous bands										
235.06	254.00			TUFFACEOUS ANDESITE Well folliated, carbonatised, greenish, banded unit. Pyrite 1%, Core Angle 30° Pyrrhotite bands at 250.02-250.04										
254.00	270.09			WACKES As in 202.00-235.06										

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY DOWAN LAKE

HOLE NO. AC 86-13 SHEET NO. 3/4

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS				
			NO.		FOOTAGE		TOTAL	Au oz/ton	%	oz/ton	oz/ton	
ft in	ft in				ft in	ft in						
270.09	317.09	TUFFACEOUS ANDESITE Well to poorly folliated, green, unaltered, minor carbonate Overall sulphide content 1-2%. Core Angle 30° 293.07 - 294.04: large (1/4") pyrite cubes 303.08 - 303.10: very pyrrhotite-rich 20% banded parallel to foliation 316.02 - 317.09: quartz-pyrrhotite vein, quartz 60%, Pyr 30% Zn?	13	871	316.02	317.09		tr.				
317.09	395.07	BASALT Flow, massive, unfolliated with minor calcite veins. Pyrite ~ 1%. Sharp bottom contact 30°, 1/2" calcite vein										
395.07	414.06	MIXED SEDIMENTARY ROCKS Fine grained, folliated, largely volcanic derived, with some graphitic, cherty and pyrrhotite veins and bands. Carbonatised. Details: 395.07 - 398.07: grey, graphitic, pyrrhotite 4%. Core Angle 45° -400.10: mixed black shale/pyrrhotite/quartz rock, brecciated with quartz fragments. Pyrrhotite 10-12% -414.06: carbonate-sericite sediment with quartz fragments. Sulphides 3% largely in pyrrhotite bands. Core Angle 30°	13	872 873 874 875 876	395.07	398.07 400.10 404.00 407.00 410.00		tr tr tr tr tr				
414.06	425.06	TUFFACEOUS ANDESITE Green, fine grained, folliated with thin pyrrhotite bands. Minor Quartz and Calcite veinlets (1/10"). Sulphides 4%										
425.06	440.08	MIXED TUFF AND WACKES Well folliated, thinly banded, minor carbonate. Pyrrhotite 1%										

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE

HOLE NO. AC 86-13 SHEET NO. 4/4

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.		SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Au oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
440.08	451.03	BASALT Flow, massive, in part vesicular. Minor carbonate									
451.03	565.04	ANDESITIC TUFF Lapilli? tuff, coarse, green, well foliated. thin calcite bands 30° to core axis. Minor Carbonate. Details:	13	877	466.09	468.07		tr			
		466.09-468.07: quartz-tuff-pyrrhotite, core angle 30° Q=30%, Pyrrhotite 15%									
		-521.02: foliated, moderately to poorly carbonatised tuffaceous - core angle 30°		878	535.11	537.11		tr			
				879		539.02		tr			
		-528.10: massive - flow		880		542.10		tr			
		-537.11: foliated, moderate carbonisation. Pyrrh. 4% pyrrhotite (10%) - chlorite zone 529.00-529.05		881		543.10		tr			
				882		546.00		tr			
		-539.03: pyrrhotite-chlorite-breccia zone. Pyrrh 30%		883		547.02		tr			
		-542.10: foliated, as above, minor pyrrhotite		884		550.06		tr			
		-543.00: pyrrhotite bands at 542.10-542.01 and 542.08-542.09		885		553.08		tr			
				886		555.03		tr			
		-546.00: foliated, core angle 30°		887		559.00		tr			
		-547.02: strong pyrrhotite banding parallel to foliation. Sulphides 10%		888		562.00		tr			
				889		564.00		tr			
		-550.00: coarse grained - wacke?									
		-553.08: foliated tuff, minor pyrrhotite bands at 554.00-554.03 and at 556.00									
		-555.08: large clots of pyrite and pyrrhotite. total sulphides 12%									
		-565.04: foliated tuff, Pyrrhotite 30%									
565.04	578.06	FELSIC DYKE Massive, coarse, slightly chloritised.									
578.06	600.00	ANDESITIC TUFF Green, well foliated, slight carbonate, core angle 30°									
	600.00	END OF HOLE									

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE CLAIM K927828
HOLE NO. AC86-14 LENGTH 190 FEET
LOCATION
LATITUDE DEPARTURE
ELEVATION AZIMUTH N000° DIP -45°
STARTED 21 FEB 1986 FINISHED 21 FEB 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0'00	-45°	N000°			
190'00	-42°				

HOLE NO. AC86-14 SHEET NO. 1/1
REMARKS CORE BQ
RECOVERY 95%
LOGGED BY Mel de Quadros

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Au oz/ton	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0.00	5.00	OVERBURDEN								
5.00	10.03	GABBROIC UNIT Medium grained green massive								
10.03	59.10	BASALT Green, massive, flow with 1% sulphides								
59.10	174.07	ANDESITIC TUFFACEOUS UNIT Green, unaltered, foliated, wtk minor carbonate. Trace Pyrite.	13 890	75.00	77.06		tr			
		75.00-77.06: minor quartz veinlets, Pyrite 4%. Unaltered.								
		85.00-86.10: chloritised, Pyrite 6%, minor quartz nodules.	891	85.00	86.10		0.01			
		-99.03: Coarse-flow								
		-143.10: tuff, minor quartz veins, foliation 40° to C.A.								
		-145.04: altered, silicified, Pyrite 3%								
		-147.09: quartz-chlorite breccia, Pyrite + Pyrrhotite 6%. Core angle 45°	892	143.10	145.04		tr			
			893		147.09		tr			
		-149.09: as above, less quartz. Sulphides 5%	894		149.09		tr			
		-155.08: disseminated pyrite and pyrrhotite.	895		152.08		tr			
		-174.07: tuff, slight carbonate, Pyrite 1%.	896		155.08		tr			
174.00	190.00	GABBROIC UNIT Medium grained, massive, green								
	190.00	END OF HOLE								

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY ROWAN LAKE
HOLE NO. AC 86-15 LENGTH 143 FEET
LOCATION
LATITUDE DEPARTURE
ELEVATION AZIMUTH N000° DIP -45°
STARTED 23 FEB 1986 FINISHED 25 FEB 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0'00	-45°	N000°			
143'00	-41°				

HOLE NO. AC86-15 SHEET NO. 1/1
REMARKS
CORE RECOVERY 89 95%
LOGGED BY Mel de Quadros

FOOTAGE ft in	FOOTAGE ft in	DESCRIPTION	SAMPLE NO.	SAMPLE FOOTAGE ft in	SAMPLE FOOTAGE ft in	SAMPLE TOTAL	ASSAYS Au oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
0.00	5.06	OVERBURDEN								
5.06	22.00	ALTERED TUFF / FAULT 5.06-8.03: foliated, fine grained, silicified. Pyrite 2%, Core Angle 30° -12.06: silicified, cherty, bleached, Pyrite 5%. Rusty Fractures -13.04: very broken, rusty fragments, siliceous. -17.01: foliated, carbonatised. pyrite 2% -22.00: as above, but broken with rusty fractures. Sulphides leached out.	13 897 898 899 900 901 902	5.06	8.03 12.03 15.00 17.00 20.00 22.00		tr 0.01 tr tr 0.01 tr			
22.00	120.08	BASALT Coarse, massive unaltered, with minor (½-1') tuff bands. Pyritic bands between 49.00-57.00 but no alteration. Core angle erratic, between 30° and 45°.								
120.08	143.00	GABBROIC UNIT Coarse, unaltered, massive								
	143.00	END OF HOLE.								

FORM 1

APPENDIX 2.

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

ASSAY ANALYTICAL REPORT

CLIENT: ANGLO CANADIAN MINING CORP.
ADDRESS: #713 - 744 Hastings St.
: Vancouver B.C.
: V6C 1A5

DATE: Feb 12 1986
REPORT#: 860053AA
JOB#: 860053

PROJECT#: NONE GIVEN
SAMPLES ARRIVED: Feb 11 1986
REPORT COMPLETED: Feb 12 1986
ANALYSED FOR: Ag AgM Au AuM

INVOICE#: 860053NA
TOTAL SAMPLES: 41
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 41 CORES

SAMPLES FROM: MEL DE QUADROS
COPY SENT TO: MEL DE QUADROS & WAYNE WHYMARK

PREPARED FOR: MR. ROBERT KEMENY

ANALYSED BY: David Chiu

SIGNED: _____

Registered Provincial Assayer

GENERAL REMARK: Results sent to Mr. Kemeny by phone on Feb 12 1986

VANGEOCHEM LAB LIMITED

MAIN OFFICE
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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 860053AA JOB NUMBER: 860053 **ANGLO CANADIAN MINING CORP.**

SAMPLE #	Ag oz/st	Ag gm/Mt	Au oz/st	Au gm/Mt
13901	.01	.3	<.005	<0.2
13902	<.01	<0.2	<.005	<0.2
13903	.02	.6	.005	.2
13904	.02	.6	<.005	<0.2
13905	.01	.3	<.005	<0.2
13906	.01	.3	<.005	<0.2
13907	<.01	<0.2	<.005	<0.2
13908	.01	.3	.007	.2
13909	<.01	<0.2	.010	.3
13910	.02	.6	.036	1.2
13911	.01	.3	<.005	<0.2
13912	<.01	<0.2	<.005	<0.2
13913	<.01	<0.2	<.005	<0.2
13915	<.01	<0.2	<.005	<0.2
13916	<.01	<0.2	.009	.3
13917	<.01	<0.2	<.005	<0.2
13918	.01	.3	<.005	<0.2
13919	.01	.3	<.005	<0.2
13920	<.01	<0.2	<.005	<0.2
13921	<.01	<0.2	<.005	<0.2
DETECTION LIMIT	.01	0.2	.005	0.2

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed:

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Ag oz/st	Ag gm/Mt	Au oz/st	Au gm/Mt
13922	.01	.3	<.005	<0.2
13923	<.01	<0.2	<.005	<0.2
13924	<.01	<0.2	<.005	<0.2
13925	<.01	<0.2	<.005	<0.2
13926	.02	.6	.005	.2
13927	.02	.6	.005	.2
13928	.02	.6	<.005	<0.2
13929	<.01	<0.2	<.005	<0.2
13930	<.01	<0.2	<.005	<0.2
13931	.01	.3	<.005	<0.2
13932	.02	.6	<.005	<0.2
13933	.01	.3	<.005	<0.2
13934	.02	.6	<.005	<0.2
13935	.02	.6	<.005	<0.2
13936	.01	.3	<.005	<0.2
13937	.01	.3	.005	.2
13938	.01	.3	<.005	<0.2
13939	<.01	<0.2	<.005	<0.2
13940	<.01	<0.2	<.005	<0.2
13941	<.01	<0.2	<.005	<0.2
DETECTION LIMIT	.01	0.2	.005	0.2

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed:

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE
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NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 860053AA JOB NUMBER: 860053 ANGLO CANADIAN MINING CORP.

SAMPLE #	Ag oz/st	Ag gm/Mt	Au oz/st	Au gm/Mt
13942	<.01	<0.2	.007	.2

DETECTION LIMIT	.01	0.2	.005	0.2

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed:

PAUL'S CUSTOM FIRE ASSAYING LTD.

Phone: Bus. (807) 662-8171
Res. (807) 662-3361

PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

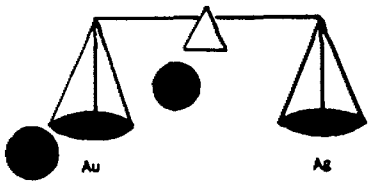
Bigstone Minerals Ltd.

ASSAY CERTIFICATE

Date: Feb. 13-86

	Sample No.	Description	oz/ton Au	oz/ton Ag
	13943	(Hole #85-3 Rowan Lake	Trace	
2	44		"	
3	45		.01	
4	46		Trace	
5	47		"	
6	48		"	
7	49		"	
8	50		"	
9	51		.01	
10	52		Trace	
11	53		"	
12	54		"	
13	55		"	
14	56		.01	
15	57		Trace	
16	58		"	
17	59		.04	
18	60		Trace	
19	61		.06	
20	62		Trace	
21	63		"	
22	64		"	
23	65		"	
24	66		"	
25	67		"	

Assayer: Paul Okanski



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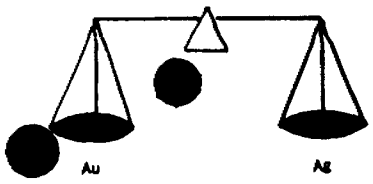
Bigstone Minerals Ltd.

ASSAY CERTIFICATE

Date: Feb. 13-86

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	13968	(Hole #85-3-Rowan Lake)	Trace	
2	69		"	
3	70		"	
4	71		"	
5	72		"	
6	73		"	
7	74		"	
8	75		.01	
9	76		Trace	
10	77		"	
11	78		"	
12	79		"	
13	80		"	
14	81		"	
15	82		"	
16	83		"	
17	84		"	
18	85		"	
19				
20				
21				
22				
23				
24				
25				

Assayer: Paul Okanski



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Bigstone Minerals Ltd.

ASSAY CERTIFICATE

Date: Feb. 18-86

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	13986		Trace	
2	87		.01	
3	88		Trace	
4	89		"	
5	90		"	
6	91		"	
7	92		"	
8	93		"	
9	94		.01	
10	95		Trace	
11	96		"	
12	97		"	
13	98		"	
14	99		"	
15	14000		"	
16	14401		"	
17	02		"	
18	03		"	
19	04		"	
20	05		"	
21	06		"	
22	07		"	
23	08		"	
24	09		"	
25	10		"	

Assayer: Paul Okanski

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Bigstone Minerals Ltd.

ASSAY CERTIFICATE

Date: Feb. 18-86

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	14411		Trace	
2	12		"	
3	13		"	
4	14		"	
5	15		"	
6	16		"	
7	17		"	
8	18		"	
9	19		"	
10	20		"	
11	21		"	
12	22		"	
13	23		"	
14	24		.01	
15	25		Trace	
16	26		.02	
17	27		Trace	
18	28		"	
19	29		"	
20	30		"	
21	31		"	
22	32		.01	
23	33		Trace	
24	34		"	
25	35		"	
	36		Trace	

Assayer: Paul Okanski

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Bigstone Minerals Ltd.

ASSAY CERTIFICATE

Date: Feb. 21-86

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	14437	Rowan Lake	Trace	
2	38		"	
3	39		"	
4	40		"	
5	41		"	
6	42		"	
7	43		"	
8	44		"	
9	45		"	
10	46		"	
11	47		"	
12	48		"	
13	49		"	
14	50		"	
15	51		"	
16	52		.01	
17	53		.02	
18	54		.01	
19	55		Trace	
20	56		"	
21	57		"	
22	58		"	
23	59		"	
24	60		"	
25	61		"	

Assayer: Paul Okanski

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Box 253, Cochenour, Ontario P0V 1L0

Bigstone Minerals Ltd.

ASSAY CERTIFICATE

Date: Feb. 21-86

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	14462	Rowan Lake	.01	
2	63		Trace	
3	64		"	
4	65		"	
5	66		"	
6	67		"	
7	68		"	
8	69		"	
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

Assayer: Paul Okanski

PAUL'S CUSTOM FIRE ASSAYING LTD.

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Res. (807) 662-3361

PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

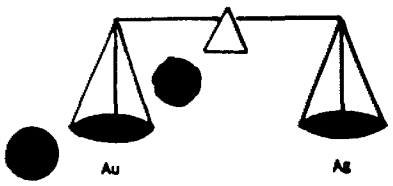
Bigstone Minerals Ltd.

ASSAY CERTIFICATE

Date: Feb. 26-86

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	14470	Rowan Lake	Trace	
2	71		"	
3	72		"	
4	73		.01	
5	74		Trace	
6	75		"	
7	76		.01	
8	77		.01	
9	78		Trace	
10	79		"	
11	80		"	
12	81		.01	
13	82		Trace	
14	83		"	
15	84		"	
16	85		.01	
17	86		Trace	
18	87		.01	
19	88		.01	
20	89		Trace	
21	90		"	
22	91		"	
23	92		"	
24	93		"	
25	94		"	

Assayer: Paul Okanski



PAUL'S CUSTOM FIRE ASSAYING LTD.

Phone: Bus. (807) 662-8171
Res. (807) 662-3361

PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

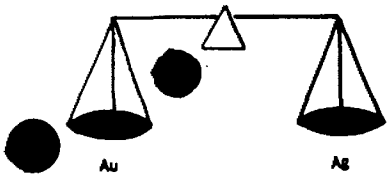
Bigstone Minerals Ltd.

ASSAY CERTIFICATE

Date: Feb. 26-86

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	14495	Rown Lake	Trace	
2	96		"	
3	97		"	
4	98		.01	
5	99		Trace	
6	14500		"	
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

Assayer: Paul Okanski



PAUL'S CUSTOM FIRE ASSAYING LTD.

Phone: Bus. (807) 662-8171
Res. (807) 662-3361

PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

Bigstone Minerals

ASSAY CERTIFICATE

Date: Mar. 4-86

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	13801	Rowan Lake	Trace	
2	02		"	
3	03		"	
4	04		"	
5	05		"	
6	06		"	
7	07		.01	
8	08		Trace	
9	09		"	
10	10		"	
11	11		"	
12	12		"	
13	13		"	
14	14		"	
15	15		"	
16	16		"	
17	17		"	
18	18		"	
19	19		"	
20	20		"	
21	21		"	
22	22		"	
23	23		"	
24	24		"	
25	25		"	

Assayer: Paul O'Okanski

PAUL'S CUSTOM FIRE ASSAYING LTD.

Phone: Bus. (807) 662-8171
Res. (807) 662-3361

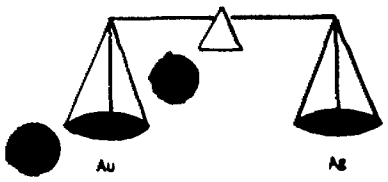
PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

Bigstone Minerals

ASSAY CERTIFICATE

Date: Mar. 4-86

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	13826	Rowans Lake	Trace	
2	27		"	
3	28		"	
4	29		"	
5	30		"	
6	31		"	
7	32		"	
8	33		.01	
9	34		.01	
10	35		Trace	
11	36		"	
12	37		"	
13	38		"	
14	39		"	
15	40		"	
16	41		"	
17	42		"	
18	43		"	
19	44		"	



Bigstone Mineras$$

PAUL'S CUSTOM FIRE ASSAYING LTD.

Phone: Bus. (807) 662-8171
Res. (807) 662-3361

PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

ASSAY CERTIFICATE

Date: Mar. 4-86

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	13851	Rowan Lake	Trace	
2	52		"	
3	53		.01	
4	54		"	
5	55		"	
6	56		"	
7	57		"	
8	58		"	
9	59		.01	
10	60		Trace	
11	61		"	
12	62		"	
13	63		"	
14	64		"	
15	65		"	
16	66		"	
17	67		"	
18	68		"	
19	69		"	
20	70		"	
21	71		"	
22	72		"	
23	73		"	
24	74		"	
25	75		"	

Assayer: Paul Okanski

PAUL'S CUSTOM FIRE ASSAYING LTD.

Phone: Bus. (807) 662-8171
Res. (807) 662-3361

PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

Au Ag

Bigstone Minerals

ASSAY CERTIFICATE

Date: Mar. 4-86

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	13876	Rowan Lake	Trace	
2	77		"	
3	78		"	
4	79		"	
5	80		"	
6	81		"	
7	82		"	
8	83		"	
9	84		"	
10	85		"	
11	86		"	
12	87		"	
13	88		"	
14	89		"	
15	90		"	
16	91		.01	
17	92		Trace	
18	93		"	
19	94		"	
20	95		"	
21	96		"	
22	97		"	
23	98		.01	
24	99		Trace	
25	13900		"	

Assayer: Paul Okanski

Ministry of Northern Development and Mines

Ontario

Report of Work

Assessment files

ROWAN LAKE

Mining Act

M-2580

Supply required data on a separate form for each type of work to be recorded (see table below). For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

#133-86

Name and Postal Address of Recorded Holder

John F. O'Donnell, 141 Adelaide St. W

Toronto, Ontario M5H 3L5

52F05SE0062 41 ROWAN LAKE 900

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 458

for Performance of the following work. (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☑ Diamond or other Core drilling
- ☐ Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Prefix	Number	Days Cr.	Prefix	Number	Days Cr.
728	802	21.8	728	525	21.8	728	534	21.8
	803	"		526	"		811	"
	806	"		527	"		812	"
	807	"		528	"		813	"
	808	"		529	"		814	"
	811	"		530	"			
	812	"		531	"			
	813	"		533	"			

All the work was performed on Mining Claim(s): K. 728528

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

DRILLING CONTRACTOR: Ultra Mobile Diamond Drilling Ltd. Surrey B.C.

FOREMAN: Keith Allen

EQUIPMENT: JKS 300 Wireline with Thinwall Equipment BBQ
Hydracore Beaver with standard BQR

DRILL HOLES: See attached list.

ASSESSMENT: 458 feet = 458 man days

CREDITS/CLAIM 458 ÷ 21 = 21.8 man days per claim

STORAGE: Monte Christo Camp, Rowan Lake.

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE OCT 16 1986 RECEIVED

KENORA MINING DIV. RECEIVED AUG 22 1986 AM PM

KENORA MINING DIV. OCT 31 1986 AM PM

Date of Report: July 24/1986.

Recorded Holder or Agent (Signature)

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

Hel de Quadros, 3220-33 Harbour Square, Toronto Ont

M5J 2G2.

Date Certified: July 20 1986

Certified By (Signature)

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other Information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment. 728525	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
ng	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
r core	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
	Name and address of Ontario land surveyer.	Nil	Nil

Ministry of Northern Development and Mines
Ontario

Report of Work
(Mining Act)

Assess files
ROWAN LAKE M-2580

Instructions – Supply required data on a separate form for each type of work to be recorded (see table below). For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

#134-86

Name and Postal Address of Recorded Holder	Prospector's Licence No.
Bigstone Minerals ~~[illegible]~~ Ltd, 141 Adelaide St. W. Suite 1506 Toronto, Ontario M5H 3L5	T 1703

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
3,131									
for Performance of the following work. (Check one only)	697	711	136.13	729	524	136.13	728	784	136.13
☐ Manual Work		828	"		555	"		785	"
☐ Shaft Sinking Drifting or other Lateral Work.		136	"		557	"		801	"
☐ Compressed Air, other Power driven or mechanical equip.		575	"		558	"		522	"
		781	"		771	"		523	"
☐ Power Stripping		782	"		772	"		552	"
☑ Diamond or other Core drilling		460	"		773	"		553	"
☐ Land Survey					783	"		559	"

All the work was performed on Mining Claim(s):

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Drilling Contractor: Ultra Mobile Diamond Drilling Ltd. Surrey B.C.
Foreman: Keith Allen
Equipment: JKS 300 Wireline with Thin wall Equipment ~~BBDGM~~-
Hydracore Beaver with standard B.Q.
Drill Holes: See Attached List.
Assessment: 3,131 feet = 3,131 man days
Credits/Claim 3,131 ÷ 23 = 136.13 man days per claim
Storage: ~~Monte Christo Camp~~ Rowan Lake.

KENORA MINING DIV. RECEIVED AUG 22 1986 AM 7,8,9,10,11,12,1,2,3,4,5,6 PM 1st Rec'd

KENORA MINING DIV. RECEIVED OCT 3 1986 AM 7,8,9,10,11,12,1,2,3,4,5,6 PM

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE OCT 16 1986 RECEIVED

Date of Report	Recorded Holder or Agent (Signature)
July 24th/1986	[signature]

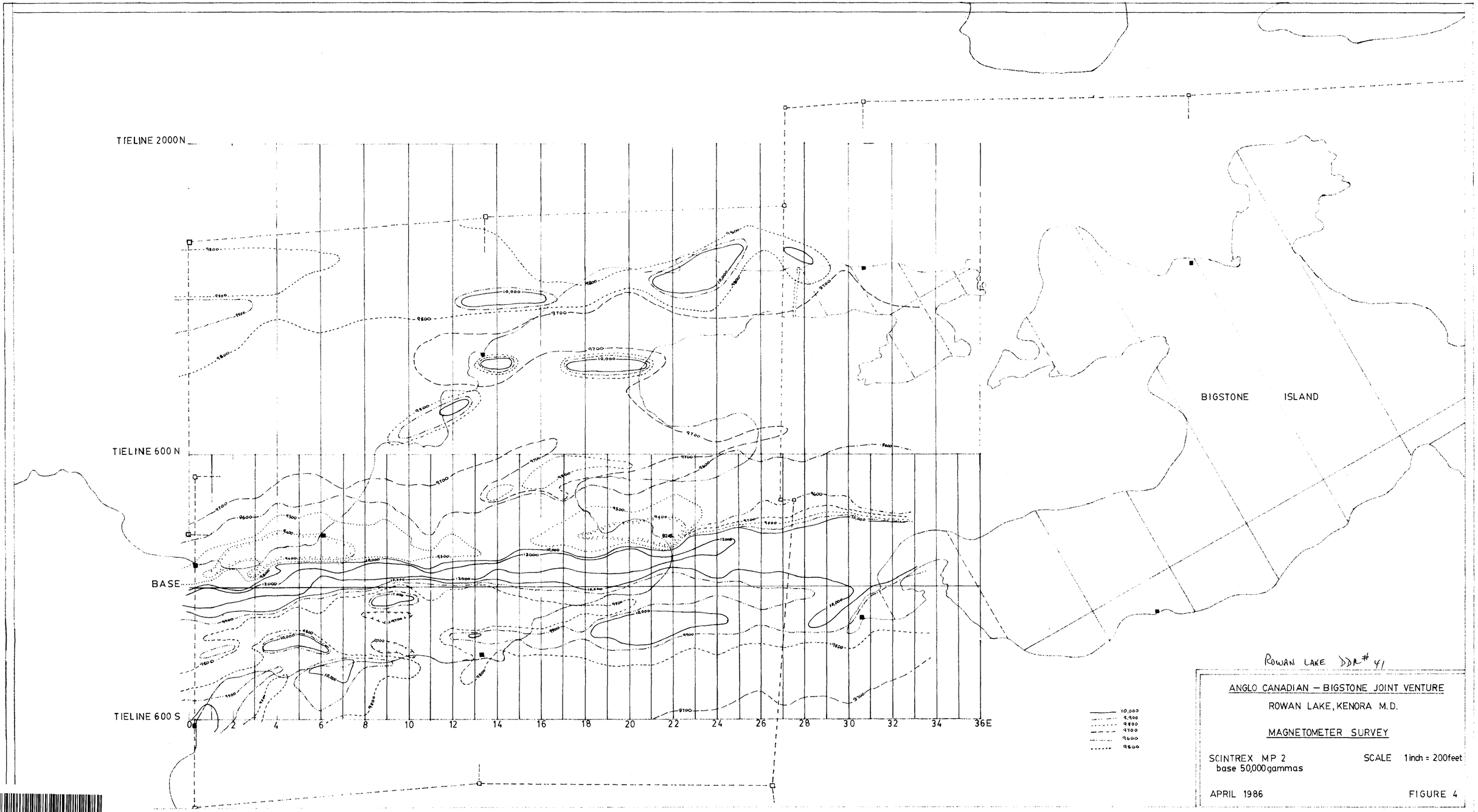
Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying	Date Certified	Certified by (Signature)
Mel de Quadros 3220 - 33 Harbour Square, Toronto, Ont M5J 2G2	July 24 1986	[signature]

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work	Nil		
Compressed air, other power driven or mechanical equip.	Type of equipment	697711	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil



ROWAN LAKE DDH # 41

ANGLO CANADIAN – BIGSTONE JOINT VENTURE

ROWAN LAKE, KENORA M.D.

MAGNETOMETER SURVEY

SCINTREX MP 2
base 50,000 gammas

SCALE 1 inch = 200 feet

APRIL 1986

FIGURE 4

Rock sample location, with number
Trench, with number
Claim post; located, assumed
Witness post
Portage (trail)
Swamp
Section location (See Report fig 4)
ROWAN LAKE
ASSUMED FAULT
728532
728522
728771
728772
728783
728784
728557
728524
728773
728785
728555
728558
728460
727136
697711
727828
BASE LINE
Line O
BIGSTONE ISLAND GRID
S-BEND GRID
DDH AC86-1
DDH AC86-2
DDH AC86-5
DDH AC86-6
DDH AC86-8
DDH AC86-10
DDH AC86-11
DDH AC86-12
DDH AC86-13
DDH AC86-14
DDH AC86-15
FIG 6
FIG 8
FIG 9
Tie Line 200N
T.L. 100N
Allistair Option
Bigstone Group
Geology by: S. Sears
P. Chevalier, 1984
SURFACE PROJECTION DIAMOND DRILL HOLE COLLAR
Alteration & Mineralization zone
ROWAN LAKE DDR #41

CLIENT	BIGSTONE MINERALS LTD.
TYPE OF WORK	GEOLOGY & DRILL HOLES - WINTER 1986
PROJECT	BIGSTONE ISLAND
AREA	ROWAN LAKE, ONT.
SCALE	1" = 200 ft.
DATE	APRIL 1986
DRAWN BY	F. CASTELLO
MAP OR SHEET No.	FIGURE 4
	MANWA EXPLORATION SERVICES LTD.

SCALE
FEET 200 100 0 200 400 600 800 1000 FEET

210


LEGEND
6 LATE FELSIC INTRUSIVE ROCKS (UNSUBDIVIDED)
a. Granite
5 EARLY FELSIC INTRUSIVE ROCKS (UNSUBDIVIDED)
a. Feldspar porphyry
b. Quartz feldspar porphyry
c. Granitic
4 MAFIC INTRUSIVE ROCKS (UNSUBDIVIDED)
a. Gabbro
b. Diorite
c. Lamprophyre
3 METASEDIMENTARY ROCKS (UNSUBDIVIDED)
a. Chert
b. Interflow sediments
2 FELSIC TO INTERMEDIATE METAVOLCANICS (UNSUBDIVIDED)
a. Tuff
b. Agglomerate
1 MAFIC TO INTERMEDIATE METAVOLCANICS (UNSUBDIVIDED)
a. Pillowed
b. Massive
c. Tuff
d. Debris flow (tuff, pillow breccia and agglomerate)
e. Porphyritic (feldspar phenocrysts)
Rock outcrop, small outcrop
Geological contact; major, minor
Area of abundant outcrop
Schistosity; dip known, vertical, dip unknown
Shear fabric; dip known, vertical, dip unknown
Sheared; strongly sheared
Alteration zone; (carbonate, quartz, pyrite, bleaching)
Rock sample location, with number
Trench, with number
Claim post; located, assumed
Witness post
Portage (trail)
Swamp
Section location (See Report fig. 4)
ROWAN LAKE
SNOW GOOSE LAKE
ASSUMED FAULT
BASE LINE
BIGSTONE ISLAND GRID
S-BEND GRID
728781
728801
728532
728522
728771
728783
728784
728772
728557
728524
728555
728558
728460
727136
697711
727828
728785
728773
Allistair Option
DDH AC86-1
DDH AC86-2
DDH AC86-5
DDH AC86-6
DDH AC86-8
DDH AC86-10
DDH AC86-11
DDH AC86-12
DDH AC86-13
DDH AC86-14
DDH AC86-15
FIG. 6
FIG. 8
FIG. 9
Tie Line 16N
Tie Line 200N
T.L. 100N
Line 0
LX+4E
LX+8E
LX+12E
LX+16E
Surface Projection